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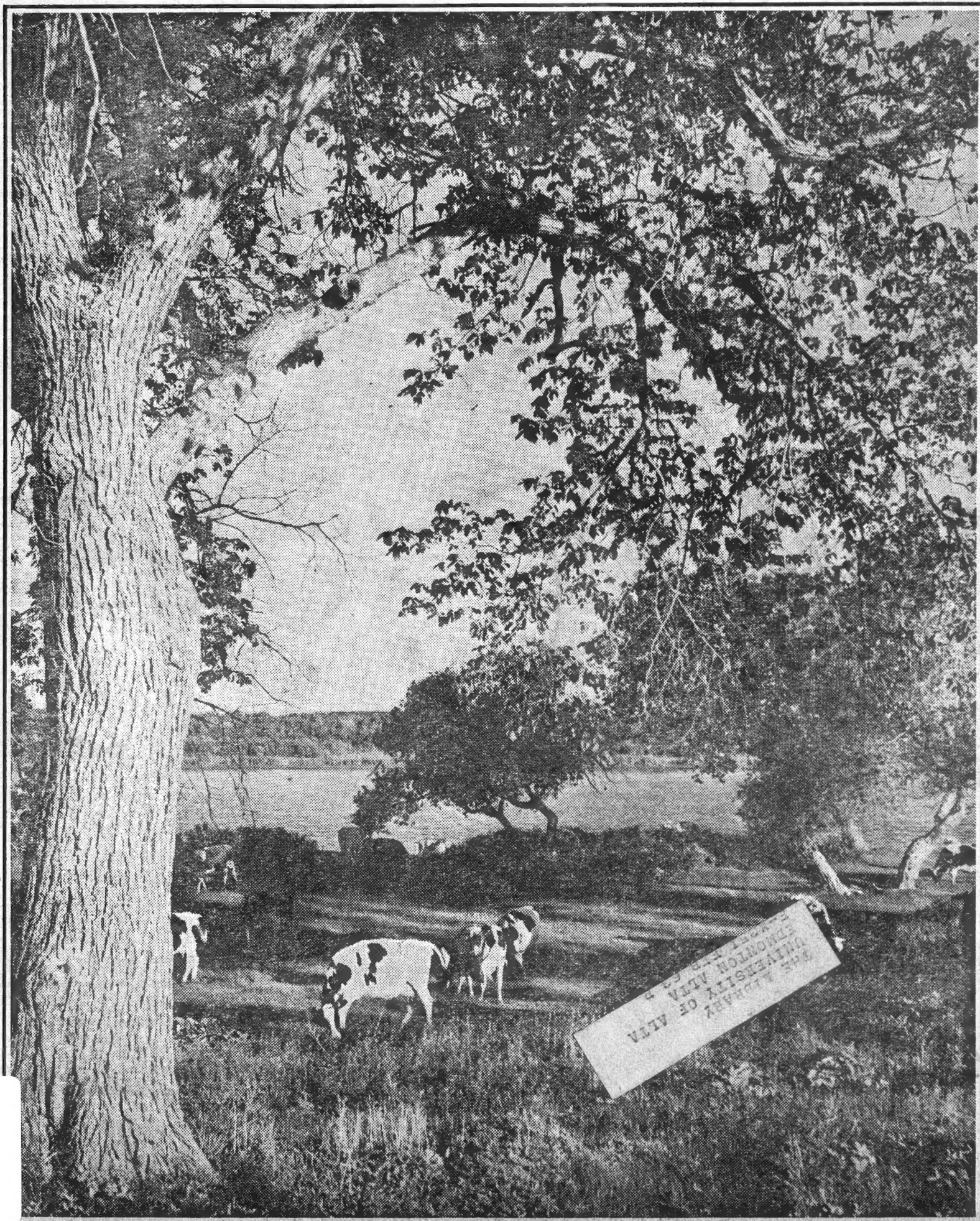
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*Dean Sinclair*  
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# Farm and Ranch Review

VOLUME XLIV  
NUMBER 8

CALGARY, ALBERTA  
AUGUST, 1948



BARD  
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no.8  
1948



# SELECT YOUR NEEDS FROM THESE SURPLUS SALE BARGAINS!

**MATTOCK PICKS** — Good as new. Complete with handle — \$1.05

**STEEL TOOL BOXES** — Were made for ammunition, but are ideal for tools.

29" x 9" x 9" — \$1.49  
22" x 9" x 9" — \$1.29  
19" x 8" x 8" — \$1.19

**TELEPHONE WIRE** — Quantity of outside wire for telephone or buzzer. Our price per thousand feet — \$11.50

**POLAROID DUST GOGGLES** — With extra sun-glare lenses. Made to fit over spectacles — \$1.25

**MESS TINS** — Aluminum, for camping or can be used as feeding dishes for pets. 2 to the set for — 25c

**WRENCHES** — New box-end wrenches made by V-check Tool Co. Six to set, from 3/4" to 1" — \$4.49

**MONKEY WRENCHES** — 15" — \$1.29

**MEAT CLEAVERS** — Solid steel, 12" blade — \$4.95

**HOT PLATES** — Brand new, single element. Made of cast iron with stove lid top. Reg. value \$3.95. Our price — \$1.98

**PAINT BRUSHES** — 2". Pure black bristle, vulcanized. Made in England. Reg. value 98c. Our price — 49c

## FIRE EXTINGUISHERS AND EQUIPMENT

**Charged and ready for use.**

**800 CARBON TETRACHLORIDE** — Portable, stored pressure type. Brand new. Mounted on a wheeled dolly for quick, easy, one-man handling, 3 1/2-gal. capacity. Shoots long, powerful stream. Fight fire safely! Length of hose, 15'. Liquid is non-conductor of electricity; will not freeze at 50 degrees below zero. Economical, easy to recharge, no special tools needed. Sight glass and pressure gauge tells condition of extinguisher at a glance. Variable stream nozzle handles all types of fire conditions. Charged and ready to operate.

Reg. list price \$210.00 — **\$94.50**

**CO2 (DRY ICE) — 15-LB. SIZE** — Particularly efficient for electric, gas and oil fires, as well as ordinary type. Projecting a powerful spray of compressed dry ice (CO2), they quickly smother flames, easily refillable for future use. Ideal for farms, stores, homes, mills, warehouses, etc. Reg. list price \$90.00. — **\$52.25**

**HAND EXTINGUISHER (1 1/2 qts.)** — Handy for car, truck, trailer, home or office. Suitable for any type of fire, shoots carbon tetrachloride, 1 1/2-qt. capacity. Complete with lock-on wall bracket. Regular list price \$17.75 — **\$9.75**

**ASBESTOS FIRE-FIGHTING SUITS** — 5 pieces, consists of pants, jacket, boots, gloves and helmet. Ideal for volunteer fire brigades, farm and home use, also for foundries. Cost Government \$76.50 — **\$25.00**

**FIREMEN'S AXES** — 5 1/2 lbs. Complete with handle and crash point. Regular price \$3.25 — **\$1.55**

**14" TEE BAR HANDLE** — Solid steel, 1/2" drive. Reg. value \$2.95. Our price **\$1.69**

**8" TEE BAR HANDLE** — Solid steel, 3/4" drive. Reg. value \$1.50. Our price **69c**

**SOCKET SET ADAPTERS** — Solid steel, 3/8" to 1 1/2" — **40c**

**MACHINIST'S STEEL RULERS** — 12". Only — **49c**

**COMBINATION HAND VISES** — 1 1/2" jaw with wooden handle. Reg. value \$4.50 — **\$1.29**

**20" TAP HANDLE** — Made by Greenfield. \$6.50 value. Only — **\$3.95**

**WIRE BRUSH FILE CLEANER** — 35c

**BOX END WRENCH SETS** — Made of alloy steel. 6 pieces. 3/8" to 1 1/4". Per set — **\$8.95**

**PRECISION PRESSURE LOCK WRENCHES** — One ton gripping power! Calibrated scale! One hand operation! 1/4" to 3/4" opening — **\$2.25**

3/4" to 1" opening — **\$2.75**

## BOATS ... FOR FISHING, HUNTING, ETC.

**FLAT BOTTOM BOAT** — Constructed with solid wooden ribs and wooden bottom, covered with heavy green canvas. Cut-away back for outboard motor. Length 12'; beam, 4' 7"; height amidship 1' 7"; weight 195 lbs. Collapsible to only 3 1/4" thickness for easy handling and transporting on car top, etc. — **\$48.50**

**5-MAN COLLAPSIBLE RUBBER BOAT** — Complete with life line, leak-proof plugs, 2 hand paddles, set of bellows, handy knife, emergency kit, safety balances, anchors and a nylon sail sheet — **\$35.00**

**COLLAPSIBLE DINGHY** — "Spitfire" type. Made for R.A.F. of genuine rubber. Complete with bellows, anchor, bailer and paddles — **\$18.95**

**WE PAY SHIPPING CHARGES ON THESE BOATS.**

**GASOLINE ENGINES** — Air cooled. Made by Briggs & Stratton. New! 2 1/4 H.P. — **\$119.50**

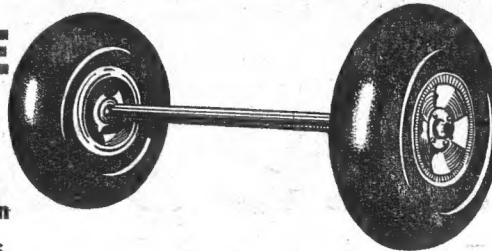
## AIRPLANE

### TIRES - TUBES WHEELS

**Make up your own Trailers, Farm Wagons, etc.**

Airplane wheel, complete with Timken bearings, tire and tube.	\$32.50	\$38.80
Axles for above, 70" overall length.	\$21.50	\$21.50
90" overall length.	\$24.50	\$24.50
Complete unit, 2 wheels and 70" axle	\$86.50	\$99.00
Spare tire for above	\$ 6.50	\$ 7.50
Spare tube for above	\$ 3.00	\$ 3.50

FULL RANGE OF OTHER SIZES IN STOCK — PRICES ON APPLICATION.



**TRUCK TIRES** — 9.00x13, 6-ply tires, tubes and flaps — Army surplus. All first line tires. Regular list price \$84.05 — **\$42.50**

10.50 x 16 tires, tubes and flaps — Army surplus. First line tires. 12-ply, mud and snow design. Fits on same wheel as 9.00 x 16. Regular price \$152.85 — **\$62.50**

32 x 8 equivalent to 7.50 x 16, 8-ply tire only — **\$32.50**

**BRAND NEW TRACTOR TIRES AND TUBES** — 8 x 32, 4-ply studded ground grip tread natural rubber, gum dipped. Regular list price \$54.35 — **\$38.05**

9.00 x 24, 4-ply ground grip, heavy rubber tread. Gum dipped. Regular list price \$57.15 — **\$40.00**

9.00 x 24 tubes. Reg. list price \$9.00 — **\$5.40**

10 x 28 tubes. Regular price \$12.05 — **\$7.25**

4.00 x 19, 4-ply channel tread, 5 rib. Regular price \$13.30 — **\$8.00**

**VACUUM AND FUEL PUMP TESTERS** — Mfgd. by "Stromberg". Has a wide variety of uses. Including testing vacuum, sticky valves, weak valve springs, fuel pump compression test, loose valve stem guides, choked muffler, valve timing, etc. In black metal case with necessary rubber tubing and fittings. Reg. list price \$11.50 — **\$5.85**

**BEDS** — Single cots. Heavy mesh wire spring. 2 side rails of 3/4" pipe and shaped to form legs. Painted aluminum, 2' 6"x6". Stands 6" from floor — **\$2.49**

**Double-Decker Bunk Beds**. Solidly made with strong angle iron. Easily folded to take up less space when not in use — **\$7.95**

**MATTRESSES** to fit bunk beds. Brand new. Each — **\$5.95**

**BENCHES** — Folding — Solid wood, 6' long, 10" wide, 18" high, with metal or wooden folding legs. Selling everywhere at \$2.95. Special prices on request for lots of 10 or more — **95c**

**HACK SAW BLADES** — Brand new, made of high-grade Tungsten steel. 12" long, 18 tooth. Regular price \$1.50 per doz. — **90c**

## RIBTOR PAINT

This is superior quality, first-grade paint and should not be confused with cheap paints on the market because of its low price.

**OUTSIDE PAINT**, white or cream, gallon — **\$4.95**

Quart — **\$1.45**

**BARN PAINT**, red only, Per gallon — **\$3.25**

**CAR ROBES** — Pure wool, 60" x 72", made by Sask. Woollen Mills. Beautiful plaid designs in red, green, blue or grey. Regular price \$8.95 — **\$6.95**

**SNATCH BLOCKS** — 1/2" x 6". Take up to 3/4" steel cable. Side opening — **\$9.75**

**HOT WATER BOTTLES** — Made by Dominion Rubber, 1 quart capacity. Reg. price \$1.19 — **70c**

**TOOL BOXES** — For carpenter's tools, etc. All steel with inside tray, hinge locked, 28 1/2" x 8 1/2" x 8 1/2" — **\$3.95**

Made of 1" pine wood, 26" x 10 1/4" x 7 1/2", complete with tray — **75c**

**CABLE** — Rubber covered. No. 16 - 2 wire. Ideal for extensions, fractional motors, etc. Per foot — **32c**

**OIL CANS** — Screw top, all steel. 1/2 pt. capacity. Steel spring bottom — **29c**

**WATER STORAGE CANS** — Welded galvanized iron with suction and screw cover. 13 gal. 16" x 9" x 28". Reg. price \$15.95 — **\$6.00**

**FILES** — 3 cornered and 1/2 round shapes. Bastard sizes, 6". Each — **15c**

8". Each 30c 10". Each **40c**

**GUN GREASE** — Suitable for cars, trucks, machinery, etc. Put up in 5-lb. tins. Per pound — **10c**

**CHAINS** — Tire chains. 7.50 x 16. Heavy duty, singles. Pair — **\$11.50**

8.25 x 20. Heavy duty, singles. Pair **\$13.50**

**DOOR MATS** — Rubber door mats. Keep the mud out of your home or office. Heavy duty size — 24" x 36". Link sections, rod wire hinged. Slightly used but in good condition — **\$1.75**

## HIGH SPEED TWIST DRILLS

Straight Shank	Price	Tapered Shank	Price
Size.		Size.	
3/16"	27c	9/16"	\$1.90
1/4"	37c	5/8"	\$2.15
5/16"	53c	11/16"	\$2.65
21/64"	60c	23/32"	\$2.90
11/32"	66c	3/4"	\$3.15
3/8"	77c	25/32"	\$3.25
13/32"	97c	13/16"	\$3.65
<b>WIRE GAUGE</b>		27/32"	\$3.85
No. 17	27c	29/32"	\$4.05
No. 42	17c	15/16"	\$4.25
		1"	\$4.45
			\$5.15

**HAND DRILLS** — "MILLER FALLS" — Complete with seven drills, 3/8" chuck. Highly efficient tools — **\$5.95**

**EASELS** — For blackboards, etc. Large, triangular shaped framework, of 1" x 3/4" hardwood, 50" wide at top, 6' 6" high. 5 peg holes in framework on each side for adjusting different heights. Framework supported by a hinged leg. Comes with 2 support legs — **\$3.00**

**GOGGLES** — Welder's goggles. Type "B". Genuine "Willson" — **\$1.95**

**GAS TANK CAPS** — Keyless. The modern theft-proof lock for your tank. No keys to lose. Uses combination instead — **\$1.49**

**GAS MASKS** — Complete with charcoal filter. Ideal for dusty jobs and treating grain — **50c**

**GREASE FITTINGS** — "Zerk", 1/8" grease fittings. Each — **7c**

**SICKLE GRINDERS** — Brand new. Made by International Harvester. Sickle hand-operated grinders, clamps to bench for sharpening mower sickles. Has bevelled stone, 3 1/2" x 3" diameter at centre, tapering to 2 1/4" at each end. Frame and knife rest. Made of cast iron. High-speed gearing — **\$6.95**

**BALL PEIN HAMMERS** — 4 oz. — **69c**

8 oz., \$1; 1 pound, \$1.29; 2 pounds, **\$1.75**

**HUNTING KNIVES** — 5" high-grade steel blade. Made for U.S. Army. Complete with leather sheath — **\$1.95**

**LANTERNS** — Kerosene lanterns. Used, but in good condition. Blue, clear green or red globes, 49c; Globes only — **10c**

## WATER PUMPS

This is an all-steel gear pump manufactured by Canadian Car & Foundry and is complete with stand made of 1/4" angle iron, 2 1/2" pulley, 3/8" intake and outlet connections. The pump is fitted with a packing nut and grease nipples for lubricating the shaft and gears. The size of the motor required to drive this pump is determined by the amount of head or pressure one wishes to develop.

For average farm or home use these pumps can be driven by 1/4 H.P. Electric Motor or 3/4 H.P. Gasoline Motor, and will develop 45 to 50 pounds pressure per square inch, and will push water to a height of 90 to 100 feet. Capacity 120 - 130 gallons per hour — **\$11.00**

**CIGARETTE LIGHTERS** — Famous "Windy" model. Reg. price \$2.00 — **69c**

**PLIERS** — Weed Chain Pliers. Mfd. by American Chain Co. Small and medium sizes. Brand new. — **\$2.50**

**Bernard Utility Pliers**. With side-cutting jaws. Regular value \$2.50 — **\$1.29**

Combination, 6" — **49c**

## PLEASE NOTE!

All prices quoted are F.O.B. Calgary except where otherwise stated. Send cash in full with order, or send an estimated 25% and we will ship C.O.D. for balance.

**RIBTOR SURPLUS SALES**  
605 SECOND STREET EAST,  
CALGARY, ALBERTA

**MICROMETERS** — Brand new. Made by well-known manufacturers such as "Miller Falle", "Reed", "Slocam", "Central". Packed in waterproof wrapping for overseas shipment. We absolutely guarantee perfect satisfaction on these micrometers.

0" - 1" — **\$7.50** 3" - 4" — **\$10.75**

1" - 2" — **\$8.50** 5" - 6" — **\$13.50**

**POTS** — Chamber pots. Enamel. Complete with lids. Used but in A-1 condition 59c

**PROPELLORS** — Real airplane propellers. Makes wonderful souvenirs for home or office. Made of high-grade hardwood, 7' long — **\$3.50**

**PULLEYS** — Double Block Pulley. Made of galvanized cast iron, shell fitting eye and shackle. 2" in diameter. Sheave for use with 1/2" rope, or wire cable — **\$1.00**

**PUMPS** — Foot tire pumps. Complete with 30" rubber air hose. — **\$4.50**

**TOW ROPES** — 3/4" Manila rope, 15' long with grab hook and loop — **\$2.50**

**SOCKET SETS** — 3/8" square drive. Made by Plomb & Snap-On. Set contains 9 sockets from 1/4" to 3/4" with 1 knuckle handle, 1 ratchet handle, 1 extension drive and 1 speed handle, 1 tee bar handle and universal adapter — **\$11.95**

1/2" square drive. Set consists of 10 sockets from 7/16" to 1" with 1 knuckle handle and Tommy bar — **\$11.95**

**Hexagon drive**. 19 pieces in set, including ratchet handles, 8 - 1/2" drive sockets and 7 - 1/4" drive sockets — **\$3.95**

## JACKS, HYDRAULIC, ETC.

**For Car, Truck or Tractor**

**WEAVER HYDRAULIC WING JACK** — Tripod jack (vertical), 5-ton capacity. Has 3 self-adjusting spring casters. Hand operated, plunger cylinder lift extends 19" with 9" screw extension, making a lift of 28" possible. Portable when unloaded — **\$20.00**

**"ATJ" 5-TON HYDRAULIC** — Brand new! All steel, precision engineered for vertical or horizontal use. Closed height 9", hydraulic lift 6", screw extension 3 1/4", maximum height 18 1/4", base 4" x 6 1/2", handle length 19", net weight 16 1/2 lbs. Made by American Tube Co. Regular list price \$24.85 — **\$13.50**

**"ATJ" 3-TON HYDRAULIC** — Brand new! All steel precision engineered for vertical or horizontal use. Closed height 8 1/2", hydraulic lift 5 1/2", screw extension 3 1/4", maximum height 17 3/4", base 3 3/4" x 5 1/2", handle length 17", weight 11 1/2 lbs. Made by American Tube Co. Regular list price — **\$10.50**

**"TRACK" JACKS** — By "Buda" — 15 ton — **\$45.00**

**BUMPER TYPE HYDRAULIC JACKS** — 3 1/2 ton "Liftmaster", plunger type. Valued everywhere — **\$6.50**

at \$9.75

1 ton "Rausch" — Valued everywhere at \$12.50 — **\$7.50**



My great-  
great-great-  
great-great-  
grampa swore  
by ABSORBINE



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have proved its value

• Veterinarians have long used Absorbine to relieve fresh hog spavin, windgall, collar gall and similar congestive troubles. This famous liniment speeds blood flow by increasing local circulation. It does not blister or remove hair. At all druggists, \$2.50 a LONG-LASTING BOTTLE.

W. F. Young, Inc., Lyman House, Montreal.

**ABSORBINE**

## ITCH CHECKED in a Jiffy -or Money Back

For quick relief from itching caused by eczema, athlete's foot, scabies, pimples and other itching conditions, use pure, cooling, medicated, liquid **D. D. D. PRESCRIPTION**. Greaseless and stainless. Soothes, comforts and quickly calms intense itching. Don't suffer. Ask your druggist today for **D. D. D. PRESCRIPTION**.

## "Old at 40, 50, 60?" — Man, You're Crazy

Forget your age! Thousands are peppy at 70. Try "pepping up" with Ostrex. Contains tonic for weak, rundown feeling due solely to body's lack of iron which many men and women call "old." Try Ostrex Tonic Tablets for pep, younger feeling, this very day. New "get acquainted" size only 60c. For sale at all drug stores everywhere.



## EATON'S Puts You in the Summer Swim...

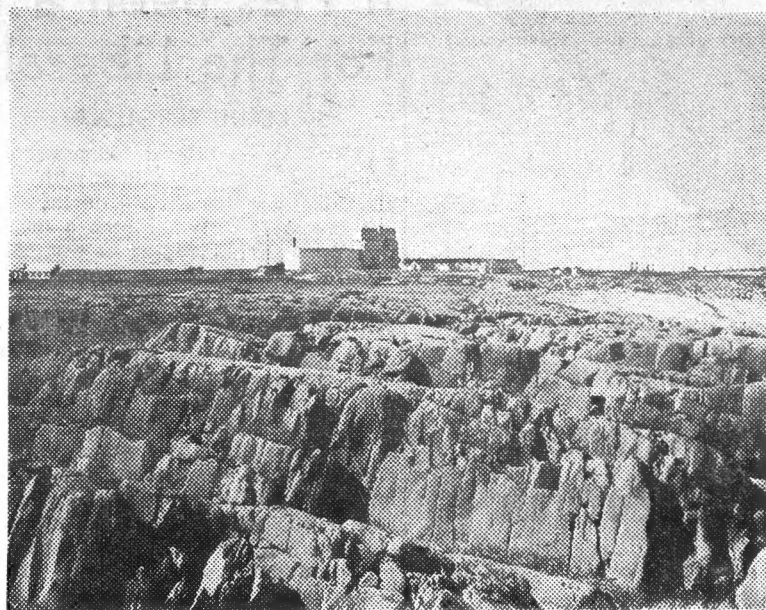
### Holiday Highlights From The Midsummer Sale Catalogue

- Bright 'n breezy bathing suits
- Sun styles for the whole family
- Household helps
- Campers' Requirements
- And Many More!

**T. EATON CO.** LIMITED  
WINNIPEG CANADA

**EATON'S**

## The Elevator at Churchill



Canadian National Railways Photo.

## Nanton Takes Parade Prize At Stampede

THE FARM AND RANCH REVIEW pennant and \$150 first prize for the best entry in the community section of the Calgary Stampede parade went to the Nanton Board of Trade.

The winning exhibit took the form of a pageant of the old west with stage coaches and buckboards and passengers in period regalia.

Second prize of \$100 went to Bragg Creek, while Cochrane carried off the \$50 third prize.

## Warning to Mink Ranchers

SOME of our mink ranchers, particularly in the Edmonton district, are having trouble with flesh fly maggot infestation of their mink. A word of warning received from the Fur Farms Branch of the Alberta Department of Agriculture may prevent heavy losses. They suggest that kits be checked daily or at least every other day for signs of infection.

The female flesh fly causes trouble by depositing the larvae on the kit mink. The young maggots are quite active and wander over the surface of the body. They penetrate the unbroken skin by excreting a slimy fluid from the mouth which liquifies the flesh and enables them to obtain nourishment. If not removed immediately they will eventually kill the mink.

In most cases the signs of infection are a small reddish area at the points of penetration, a serum discharge from the irritated spot, and matted fur. The small opening through which the larvae passed may be seen in the centre or side of the inflamed area.

To properly treat the infection, the kit mink must be checked daily or at least every other day. Check all inflamed or matted areas. The larvae or maggots must be removed to prevent heavy losses of kits. The removal may be done either by squeezing the maggot out of the small pocket or with a pair of fine pointed tweezers. Peroxide antiseptic has a tendency to loosen them or force them to back out of the pocket. Use a fine syringe and disinfect the pocket or opening with peroxide both before and after removal of maggot.

Use efficient fly traps throughout the mink yard, and plenty of D.D.T. around and under the pens. Use the D.D.T. in water suspension on all exterior woodwork, pens and nest boxes. Be sure to protect the food and drinking water from D.D.T.

## Quips

Character is not made in a crisis — it is only exhibited.—  
DR. ROBERT FREEMAN.

Nobody ought to go to dinner who is not a good listener and, if possible, an intelligent one. To listen with a show of intelligence is a great accomplishment. —  
CHARLES DUDLEY WARNER.

Most people eat as though they were fattening themselves for market. — E. W. HOWE.

## Farm and Ranch Review

VOL. XLIV. No. 8

CALGARY, AUGUST, 1948

JAMES H. GRAY, Editor

MARTHA OLSON, Home Editor

EASTERN ADVERTISING OFFICE:

414 Metropolitan Bldg.,

Toronto, Ont.

W. H. PEIRCE, Representative

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## Our Cover This Month

The pastoral scene is on the Red River in Manitoba. The picture was by courtesy of the Canadian Pacific Railway.

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Notice of Dividend No. 38

## UNITED GRAIN GROWERS LIMITED

### Class "A" Shares

Notice is hereby given that the Board of Directors has declared a dividend at the rate of 5% on the paid-up par value of Class "A" (Preferred) Shares (par value \$20 each).

This dividend will be paid on or about September 1st, 1948, to holders of such shares of record at the close of business on Saturday, July 31st, 1948.

By order of the Board,  
D. G. MILLER,  
Secretary.

July 6th, 1948.  
Winnipeg, Manitoba.

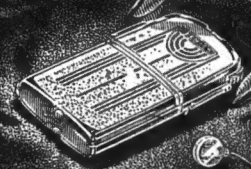
## CLASSIFIED ADVERTISING PAYS

## HEAR BETTER or Pay Nothing!

This is all you wear

\$75.00

Complete



MAIL COUPON BELOW FOR NEW

**Zenith "75"**

THE HEARING AID THAT NEEDS NO "FITTING"

## Sold Only by Mail ...Money Back Trial!

Wear the New Zenith "75" at home, at work, anywhere. If it isn't better than you ever dreamed ANY hearing aid could be, return it within 10 days of receipt and Zenith will refund your money in full.

This amazing instrument employs an advanced principle that eliminates the need for "fitting"—enables you to adjust instantly for your best hearing in any surroundings. This principle's correctness was recently confirmed in U. S. Government-sponsored research at Harvard University.

## SAVES YOU OVER \$100, TOO!

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**\$75** Canadian currency.  
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Look only to your doctor for advice on your ears and hearing



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☐ Please send details of your convenient time payment plans.

☐ Please send free descriptive literature.

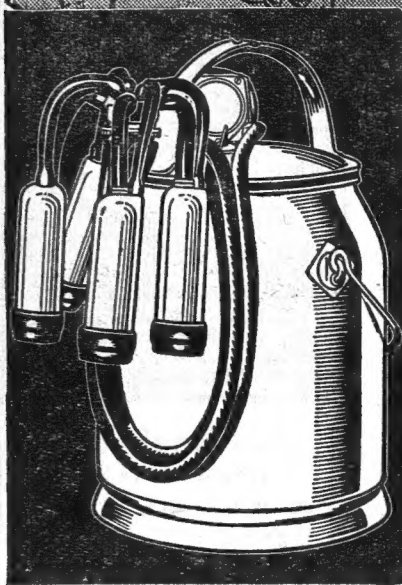
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## the McCormick-Deering way to increased Dairy Production



Top milk production depends on three important facts—fast milking, good sanitation, and a healthy herd.

A McCormick-Deering milks quickly, getting all the milk in less than half the time it takes to do it by hand. At the same time, its soft, gentle massaging action banishes possibilities of udder inflammation and resulting mastitis.

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More milk also means more cream and larger cream checks. A McCormick-Deering separator will get ALL of that cream. The smooth operation of its perfectly balanced stainless steel bowl assures you of those extra ounces of butterfat that result in extra dollars for you.

It's simple to check on "The McCormick-Deering Way to Increased Dairy Production." Just drop in on your International Harvester dealer and let him give you the facts!

INTERNATIONAL HARVESTER COMPANY  
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HAMILTON ONTARIO



**MCCORMICK-DEERING**  
**MILKERS • CREAM SEPARATORS**

## It Has Been a Hot Season For The Liberals At Ottawa

By MAUD FERGUSON

OTTAWA: — Liberal temperatures have risen and fallen with remarkable speed in Ottawa during the last few weeks. It has been a tough time for a party planning its first convention in 29 years; its election of a new leader and its rebuilding of a political platform.

No sooner was the government depressed by news of the C.C.F. by-election triumphs, in B.C. and Toronto, than it was cheered by the gains made in Saskatchewan. It sat out a furious debate on the Price Investigation Committee's report at the tail end of the session and stood pat over its refusal to announce when the beef embargo to the States would be lifted. The House rose. The Nova Scotia elections put Liberals back with a thumping majority and temperatures became normal. But not for long.

There was hardly a breathing space before the threatened railway strike had everyone jumping up and down. The wage dispute was landed on the government's doorstep on one of the hottest days of the year. Temperatures everywhere went up and remained high for four days. The country faced a strike which would have been a national calamity. Telegrams and letters poured into Ottawa from fruit farmers, poultry men and dairy farmers. With the strike imminent, the railway companies were refusing them shipment except for short hauls. Producers were losing money by the hour.

The government was gaining gray hairs by the hour. But agreement was reached. The Railway Unions brought down their demands from an original 35 cents an hour to 17 cents. Being the oldest and probably the most responsible Union in the country, they saved the country from economic chaos by accepting the government's proffered compromise figure.

However, while Union employees were left better off, it was reported that the increase would raise C.N.R. and C.P.R. running costs by about \$76,000,000 annually. This inevitably meant a demand by the railways for another freight rates' increase. Already five premiers representing the western provinces and the maritimes were clamouring at Ottawa's gates for relief from the previous 21 per cent increase. The threatened strike had left railway employees with a bigger pay check but the government was left holding a political hot potato.

It was recognized that every in-

crease in freight rates not only antagonized every part of the country except the central provinces, but means another increase in the cost-of-living. In July the cost-of-living index hit a new high of 154.4. This means that it is 54.4 points higher than it was in the period between 1935-39. The highest rise was in food costs.

What light did the Price Investigation Committee's report have to shed on all this? It stated that the single most important cause for the price rise was found in external prices. Import and export prices played a major role in the Canadian economy. As there was a world-wide shortage of commodities, prices had been forced sky-high. More and more production was the only answer.

The Committee's report showed sign of political pressures. C.C.F. gains had probably been the cause of a leftist slant in some of the recommendations. Progressive-Conservative M.P.'s and Social Creditors on the Committee refused to sign it.

It was suggested that special taxation be imposed on "unreasonable" profits; that legislation be tightened to deal with flagrant profiteering; that while an overall system of price and related controls was not advocated, certain control measures and the application of some temporary subsidies should be considered.

It advocated the removal of special excise taxes on articles in common use. (This referred to "austerity program" taxes which had been criticized frequently both in the House and in the press.)

It also urged the establishment of a commission to continue the committee's study of prices while the House was not in session. The report reads: "There is a tendency in some instances in certain lines of business in Canada to take advantage of the special conditions prevailing to make the largest possible profits by keeping prices up and thereby ignoring the well-being of the Canadian people." The Committee's experience suggested that the existence of a price commission checked these tendencies.

But after all this, the government is still left in a tough spot. Railways, Labor and Agriculture all want more money as producers. As consumers they all want lower prices. "Pay us all high rates, but sell everything cheap" is the cry. The Federal Government is supposed to find the answer. But there are no magicians in Ottawa.



"They'll promise anything in an election year!"

American Magazine.



# Farm and Ranch Review Editorials

## Where Is The Canadian Liberal Party Going Now?

FOR the majority of Canadians, who have never known a time when the Liberal Party was not being led by Mr. King, getting accustomed to a new leader will be something of an adventure. Mr. King steps out with a place in history more secure than any other Canadian prime minister. Though his faults were as monumental as his virtues, history will surely say that the marks of greatness were upon him and we have no intention here of starting an argument with history.

Much of the credit for Canada's magnificent record during the war belongs to Mr. King. He was the captain of the ship, that weathered the squalls and the gales that buffeted the country during those years. He made mistakes. The men he appointed made mistakes. But the Canadian people, balancing the mistakes with the accomplishments gave him a vote of confidence which was well earned, justly deserved. We have no intention here, either, of attempting to quibble over the past or take anything away from Mr. King. We are concerned with the future for every Canadian, regardless of political leanings, must be concerned with the future of the Liberal party. It is the only truly national political party we have in Canada.

Concern for the future naturally leads to the discussion of the present and the past. During the war years, there was a vast expansion in the growth of bureaucracy in Canada. It was inevitable that this would be so. In the last decade, there has been a steady diminution of the authority of Parliament. The least important men in Ottawa today are the private members of Parliament. The usefulness of the Senate has been damaged almost beyond repair.

On one hand we have had a growth in the power of the civil servants. On the other we have watched the decline and fall of Parliament. The greatest single responsibility facing the new leader of the Liberal party must be to completely reverse this tide. It is difficult, here, to make our point without giving offense to the people who are such an essential part of government — the top civil servants. In the main, in the overwhelming majority, they are able, intelligent and conscientious. They are, as well, industrious to the point of driving themselves to exhaustion.

Indeed, one of the weakest points of our democracy stems from the outstanding qualities of the civil service at the deputy minister level. A combination of strong deputies and weak cabinet ministers has resulted in a perversion of democracy. Today, government policy is dictated by the deputy, not by the minister. The minister is the spokesman for the deputy and often does not even take the trouble to try to hide the fact. The ministers of finance, labor, justice, trade and commerce, fisheries and transport, to name but a few, are

gradually being reduced to figureheads for deputy ministers.

All this is bad for democracy. Power must be tempered with responsibility. We are gradually creating a condition in Canada where we are being ruled not by our elected representatives but by employees who are responsible to no one. Policies that are devised by persons devoid of any political sense are being forced upon us on the basis that they know what is best for us. To a very substantial extent, the government of the country has passed out of the hands of our elected representatives into the hands of planners and theorists.

Of course we must have planning in our national life. We must have regulation of commerce and industry. But the regulations must reflect the will of the people, as expressed through the majority in the caucus under the two-party system. It must not be done by the men whose real job is only to carry out the policies so decided upon.

To reverse this tide will not be easy. The new Liberal leader faces nothing less than the complete reformation of our parliamentary institution. And that, for the new leader, and the Liberal Party, is only the first verse.

The Liberal Party must decide, if it hopes to survive, what it stands for. Today it stands for nothing. It has adopted policies far more protectionist than any R. B. Bennett ever dreamed of. It has imposed crushing burdens of taxation and discouraged productive enterprisers. It was the Liberal Party, the traditional champion of the rights of the individual and protector of civil liberties, that perpetrated the espionage trial star chambers. It veers wildly between the Tory rocks and the C.C.F. shoals. There is hardly room in Canada for two C.C.F. parties or two Tory parties. There is room and always will be room in a democracy for a Liberal Party. It is surely about time the Liberal Party made up its mind where it is going, what it wants to be.

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## All Right Then, What's Your Opinion?

READERS of the FARM AND RANCH REVIEW have been getting our opinions on a great variety of subjects for long enough. It's about time, we think, to hear a lot more from our readers. As a starter, we have got together a list of subjects on which we would like to have some opinions. Here they are, and the best letter we receive on any one of these subjects will be worth \$10 to the writer. To qualify, the subject must be covered in less than 500 words.

## What Good Is a Front Door?

In the overwhelming majority of farm homes in the West, the front door is seldom used. Then why not dispense with

the front door and use the space for something else? What do you think, and why? What would you use the space for? What would you put in its place? Or can you think of a good defense of the front door?

## Why Be a Farmer?

There's room here for scores of opinions. We'd like to hear from the young people. Why did *you* leave the farm? Why did *you* decide to stay on the farm? And from the older folks. Why did *your* daughter leave the farm? Why did *your* son leave the farm?

## What About Wind-Power?

The Rt. Hon. J. G. Gardiner recently made a spirited defense of power from wind as against hydro power. A nice, two-sided argument, this. What has your experience been? Are you sold on wind machines or have you discarded yours for another system? Let's have lots of facts on this one.

## What About Irrigation?

Another good subject for an argument. Hundreds of you live near water yet refuse to irrigate. Why? What is the main factor in holding back irrigation? Or why are you sold on irrigation? Would you go back to dry farming? Have you heard of any new wrinkles to ease the amount of manual labor required?

## What About Farm Housing?

In recent months we have run several specially designed houses. What did you think of them? Would you like to see more of these plans? Why don't you build a new home? Does your husband take better care of housing his animals than he does in housing his family? Why? Or what have been your satisfactions and disappointments in the new home you did build? What is the main factor holding back farm home construction?

There, that should do for a starter. Put the list aside until the next rainy day and then get out your pen and write us a letter. Or if none of these themes interest you we have one further suggestion. Tell us what's wrong with the FARM AND RANCH REVIEW, or what's right with it. What is your favorite section? What do you always read and what do you never read? What would you like to read that we are not providing? We've been telling you what we think. Now you tell us!

★

## Power Politics And Wage Rates

THE railway wage settlement is an example of politics and power that should not be lost on Western Farmers. Behind ramparts of anti-inflation policy the Government successfully resisted every effort of Western producers to have the embargo on livestock exports lifted, as it intolerably delayed lifting of ceiling prices on coarse grains. In his budget, Mr. Abbott, from behind the same ramparts, refused to take off his outrageous excise taxes or reduce income taxes because of the inflationary effect of doing so.

(Continued on page 6)



# Farm and Ranch Review Editorials

(Editorial Continued)

The railway workers, who are solidly organized and a potent force in a hundred urban ridings, have exacted a \$400 a year wage increase that will put another \$68,000,000 a year into their pay envelopes. The Government could not cut income taxes \$60,000,000 a year because that would be too inflationary. But the anti-inflation bulwark collapsed before the railway workers and the Government arranged to pump \$68,000,000 into circulation.

The wage increase will not only destroy all hope of getting any relief in the West from the recently approved freight rate increase. It will likely lead to a demand for still higher freight rates. And, as we said last month, the ultimate effect will be to freeze the cost of everything the farmer buys, at still higher levels. If and when prices of farm products declines, the cost of farming operations will stay up.

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## It Took Political Courage

THE producers of Western Canada are indebted to Premier Stuart Garson of Manitoba for the splendid leadership he has shown throughout the controversy with the Federal Government over Coarse Grain policy. Not only was that leadership marked by wisdom and understanding but by high political courage as well.

The coarse grain argument was muddled considerably by all the spokesmen for various vested interests. The Grain Exchange naturally leapt in because by unfreezing oats and barley from ceilings it gave the gamblers another set of tokens to play with.

Though atrociously timed, the removal of the ceilings was long overdue. The ceilings had kept coarse grain prices at depressed levels. That meant that eastern feeders were being heavily subsidized by western producers.

When the ceilings came off, there were screams of anguish from the east. The Canadian Federation of Agriculture let out a wail on behalf of the eastern feeders. It demanded that the marketing of coarse grains be placed under the Wheat Board. Western producers, who were opposed to the futures market system, also wanted the grain marketed through a board. An argument developed over whether it should be the Wheat Board or a separate board. It did not in fact matter what kind of a board it was so long as it marketed the grain as an agent of the producer. That was the Western position. It remains the Western position.

Eastern producers, who control the Federation, wanted marketing done by the Wheat Board acting as a referee to set prices that would be satisfactory both to the producers and the feeders. They succeeded, at Brockville, in getting such a resolution passed by the Canadian Federation of Agriculture convention.

The Government passed legislation that did this: It provided for the marketing of coarse grain through the Wheat Board when the three prairie provinces had

passed concurrent legislation. The price would be set by the Canadian Federation of Agriculture to satisfy both the producers and eastern feeders.

The Saskatchewan Government regarded this as right down the Socialist alley, immediately announced its support. The Alberta Government got lost in a fog of legal quibbling. Premier Garson, too, was inclined to argue legal points until he got the problem straightened out. When he did he let fly a blast that set Ottawa back on its heels. He was prepared to act only on the condition that the board which would market coarse grains would be a producers' board, and would act in the interest of producers.

To take on both the Federal Government and the Canadian Federation of Agriculture simultaneously was an act of political courage rarely seen in these times.

Mr. Garson's blunt adherence to principle may have cost him his chance for the leadership of the Liberal Party. He has antagonized powerful factions in it who might have swung their support to him in case of a stalemate at the convention. Yet his performance somehow is like a breath of fresh air that invigorates and restores faith. There is surely a place in the leadership of a great national party for a man of character and courage. Mr. Garson may not be elected at this convention, but his growing stature will not be forever ignored.

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## Mr. Bracken Was Abandoned

THE resignation of Mr. Bracken as leader of the Conservative Party will make everybody happy. Mr. Bracken himself can now devote all his time to his first love — farming. By resigning, he has escaped from a position that had long ago become untenable. The real Tories in the Conservative Party made it plain that they considered Mr. Bracken a mistake and impatiently waited for a time when they could supplant him with one of their own.

In the meantime, the progressive elements, who had lured Mr. Bracken into the leadership, left him in the lurch and went back to their own affairs.

Sniped at from behind, the target of abuse from his own followers, the man in the middle in bitter, internal feuds, Mr. Bracken was cast in an unhappy role. No one can say that he did not work hard to rebuild the party organization. In this he was hindered rather than helped by the divisions inside the party, by factions which sought to undermine his leadership and cared nothing about the damage done to the party.

The way at last is open for Mr. Drew to accept a call to leadership. If his alliance with Mr. Duplessis in Quebec can be cemented, we may see the return of the Conservative party to a position of importance in Canadian politics.

As for Mr. Bracken, the West wishes him well. As premier of Manitoba for a generation, he served the farmers of that

province to the very best of his ability. He was a potent force in the establishment of the Rowell-Sirois commission and the new deal which the provinces achieved can be attributed in no small measure to his efforts during the depression.

That he alienated many of his friends by accepting the leadership of the Conservative Party is true. But that should not be allowed to obscure the fact that he served his people honestly and ably. The people of the West will wish nothing but happiness and contentment for him on his Ontario farm.

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## Railways And Pipe Lines

THE papers have been full of stories, lately about the construction of pipelines to take Alberta oil and gas to Regina, Saskatoon, Winnipeg and even Minneapolis. Leaving aside altogether the argument about whether Alberta can afford to export her petroleum resources in the raw state, it is puzzling why no one has suggested so far that the railways ought to be the logical people to transport oil.

If crude oil is to be moved east, would not all the various interests in the West be best served by having the railways do it. It is cheaper, given an immense deposit of oil and a good market, to move oil by pipeline than by tank car. But it is not so much cheaper that the railways cannot compete. The difference, as we understand it, between moving oil by pipeline and moving it by tank car is less than half a cent per ton-mile.

If one of the big oil companies builds a pipeline, here is what will happen. It will enjoy a competitive advantage of a fraction of a cent a gallon over its competitors. Sometimes it will have oil to sell its competitors. At others it can refuse them oil. The small independents hence will be at the mercy of the big companies. The railways will be left with the bulk of the most profitable haulage business gone and will have to provide the service for the balance of the trade.

Millions of tons of oil will be moved in the next few years. It seems to us that if the railways handled this business that it would provide them with additional traffic that would spread overhead costs and operating costs much thinner over the rest of the goods carried. In short oil would add to the railway volume without correspondingly increasing railway costs.

How volume affects railway operations was demonstrated during the war when railway earnings soared with increased traffic. Here in the West we are so dependent upon the railways for life that it disturbs us to see them constantly losing traffic. Buses, trucks and airplanes have all come along and cut heavily into their fields. They have skimmed so much of the cream away that the railways are practically on a water diet.

Much of the blame of course belongs on the railway doorstep for they have been singularly inept at reading handwriting on walls. The first pipeline was built in the United States because the American railways refused to provide satisfactory service for oil shippers. Surely there is no reason why this particular chapter of history has to be repeated in Western Canada.



## The Outside World

# The Battle For Berlin And The Ruhr Steel

By BEN MALKIN

THE battle for Berlin has brought the world closer to war than any other event of the past three years. Fundamentally, it has been a battle not so much for Berlin itself as for Germany and Germany's industrial capacity.

The blockade of Berlin by the Russians became fully operative when the three western allies — the United States, Britain and France, introduced currency reform measures in the western zone of Germany after setting up a government for their zone. To the Russians this meant a final splitting of Germany and the abandonment of any hope they might have had to obtain Ruhr coal and steel.

Here is the crux of the present quarrel between Russia and the west. To make the European Recovery Program succeed, to rebuild western Europe, it is necessary that the Ruhr valley, long the industrial heart of Europe, be restored sufficiently to supply its neighbors with the coal and steel they need. The Russians, in their fanatical opposition to the European Recovery Program, have made it obvious they don't want western Europe's economy restored, and if any coal and steel is to be exported from the Ruhr, they want it for their own badly-starved industries.

In order to help western Germany to its feet, it was necessary to introduce a currency reform program. This the western allies did. It was the final blow to any Russian aspirations in western Germany, for if economic order were to be restored there through efforts, the Germans would certainly look to the west, rather than to Russia, for friendship and co-operation.

So they struck. They struck in the only place in Europe where they had the power to strike without actually going to war. This place happened to be Berlin.

Under the excuse that they had to repair highways and railroads leading to Berlin, they closed the former German capital to all traffic. Without food, without supplies, the allies, they calculated, would have to abandon the 2,000,000 Germans in their zone of Berlin. The prestige they would lose from such a withdrawal would be enormous. It wouldn't entirely repay the Russians for the loss of any benefits they might have had from Ruhr production had Germany been unified, but it would be better than nothing. And it was about all they could do without resorting to actual military measures against the Germans.

The allies replied to the German blockade with a firmness that has won the admiration of the western world. In the greatest peacetime air effort in history, they have flown in an average of 2,000 tons of foodstuffs daily. They have also tried to fly in sufficient coal to keep essential services going. At the same time, they have informed the Russians that they have no intention whatever of leaving Berlin, where they are established by treaty right.

The situation can easily lead to war. Great as the air effort is, it is now operating at about the capacity of the two Berlin airports being used by the British and American transports. Yet it is only supplying the Berliners in the western zone with their bare necessities. Bad weather will mean that less supplies will be brought in than the minimum neces-

sary to sustain life in Berlin. Should that be the case, and should the allies keep their pledge to remain in Berlin, as they are bound to do, they will have to bring in supplies under armed guard by highway and railroad. Such an act can easily lead to actual fighting. That is the danger inherent in the Berlin situation.

The Russians have hinted they will discuss the Berlin situation with the three western allies only in relation to the problem of Germany as a whole. The allies have said they are prepared to discuss the Berlin situation only, for all previous discussions of the German situation as a whole, and all previous attempts to achieve economic unity, if not political unity, in Germany have failed as a result of Russian inability to compromise.

While the Berlin crisis brought talk of war to everyone's lips, actual war was resumed in Palestine after a four-weeks' truce during which Count Folke Bernadotte, United Nations mediator, attempted to resolve the Arab-Zionist quarrel. A rather interesting development was the suspension of a \$2,000,000 payment by Britain to her satellite, King Abdullah of Transjordan, for the sustenance of his mercenary force, the Arab Legion.

It is possible that the British action was due to an uncomfortable feeling that the Arabs were aggressors in Palestine. On the other hand, the duty of the British foreign office is to do what it thinks will benefit Britain, not the Zionists or Arabs. This duty the foreign office tried to perform by taking over the Palestine mandate and by building a system of alliances with the Arab states in the Middle East. Over a period of 25 years, this policy seemed to be to the advantage of Britain, which was, of course, the basic purpose of this policy — just as it is the basic purpose of any country's foreign policy to seek advantages for itself, not for strangers. If that is the case, then the British foreign office may well have decided, after the recent fighting in the Holy Land, that the Arabs were not as sound an investment in a military sense as romantic young men like the late Lawrence of Arabia had led them to believe. That is probably the real explanation of why the British foreign office and government are beginning to take a jaundiced view of their Arab allies.

Barring the use of force by the United Nations, an unlikely event, the Palestine dispute will be settled by war. Either the Zionists will have a home and a country of their own, or they will be annihilated. It appears very doubtful whether they will settle with the Arabs for anything less. At the same time the United Nations, which originally passed the partition resolution, last fall, which gave a portion of Palestine to the Zionists, would, if it were to use force, be bound to use it to support its own partition decision. Otherwise, its pledges would be regarded as worthless and its word dishonored.

It is not likely that the fighting in Palestine will spread. It was for a time feared that the United States and Russia might find themselves on opposite sides of the fence in the dispute. But for once they are in agreement, and both countries have recognized the new state of Israel. The danger of a wider conflict emerging from the Palestine battle has, therefore, fortunately been averted.

# STOP GAMBLING WITH EROSION

## Chemical Summerfallow Can Help Save Your Land

The biggest danger of tillage operations in summerfallow is erosion—both soil and wind erosion. Recent experiments now indicate that *chemical* summerfallow, with Green Cross Agricultural Weed-No-More, cuts down the chances of this ever-present menace. Chemical summerfallow can help save your land!

### DANGERS OF OLD SUMMERFALLOW METHODS

When fallow is plowed, stubble of previous crop is turned under and its value in checking surface wind is lost. Soil is exposed to the hazard of wind erosion. The top two or three inches dry out, leaving an insulating layer preventing further evaporation from subsoil. But, every time a field is cultivated, that layer is destroyed and fresh moist soil is turned up and immediately dried by wind and sun. New weed seeds are brought to the surface to germinate and make another cultivation necessary, with the result that more soil is dried out. Lastly, continuous cultivation breaks down soil particles so that they are readily picked up by the wind and we have disastrous *soil erosion*.

### ADVANTAGES OF CHEMICAL SUMMERFALLOW

No plowing is necessary. You simply spray weeds away with Agricultural Weed-No-More, leaving the stubble to stop wind erosion. Top soil is not disturbed and remains to stop evaporation from moist soil below. *No new weed seeds are brought to the surface to germinate.* Most important advantage of chemical weed control is that it may reduce the acreage under non-productive fallow. If moisture is not the limiting factor, weeds can be controlled *while* land is producing a paying crop.

### CHEMICAL SUMMERFALLOW SPRAY PROGRAM WITH AGRICULTURAL WEED-NO-MORE

Consult your weed classification list before spraying. Where weeds are susceptible to Agricultural Weed-No-More, follow the following four-point spray program. (Chemical summerfallow is not recommended when perennial weeds, wild oats, foxtails, or volunteer grain are a problem).

1. Apply at the rate of 24 ounces of Agricultural Weed-No-More per acre.
2. Spray when most weeds have germinated but before first plant produces new seed.
3. Repeat as necessary, to prevent new weed seed being produced by later growing plants. Two applications should suffice.
4. Spray again following year, to kill any weeds growing from seed brought to the surface by pre-seeding tillage.

Order Agricultural Weed-No-More from your Green Cross or Massey-Harris dealer now.

**Green Cross\* AGRICULTURAL WEED-NO-MORE**  
(Quick-Penetrating BUTYL ESTER of 2,4-D) \*Reg'd. trade-mark

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## Another Plan Of An Ideal Design For a FARM HOUSE

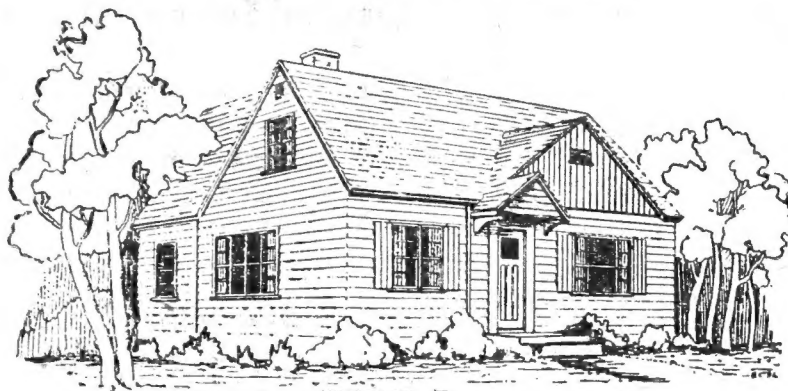
WIDESPREAD interest was shown in the plan of the farm home which appeared in the June issue of the "Farm and Ranch Review". Here is another plan of a farm home that has been specially designed by authors Edwards and McMullen to suit the needs of the farm family.

Ask the housewife what she would like most in a home and she will think first of all of the kitchen. This is the part of the house in which she spends a great deal of her time in the preparation and serving of meals and in the washing up of kitchen dishes and utensils. This requires not only more space than the average city home but also the correct arrangement of the sink and stove and the table, or eating area, since many meals on the farm are more easily served in the kitchen.

These needs have been kept in mind in the designing of Farm Home No. 3. The long kitchen counter, with the sink in the centre, is under a bank of four good-size windows, which provide ample light and make the kitchen a cheery place in which to work. Above the counters are wall cupboards for the storage of dishes in addition to the long dish and china cabinet in the dining area. The stove is so placed that only short lengths of stove pipes are required to connect it to the chimney. A handy place for

The farm housewife needs a house specially planned to lighten her heavy daily duties. Here is a house that has been laid out to save steps and save energy.

By I. C. EDWARDS and M. J. G. McMULLEN



fuel wood is located in the corner by the stove.

The dining area is separated from the kitchen proper by a large archway which partly divides off the eating area from the kitchen yet leaves the dining table within easy reach for serving. The table shown will seat 10 people comfortably when fully pulled out. If fewer people are to be served it can be shortened by taking out leaves.

The utility room is handy to both

the back door and the kitchen making it an ideal place for cream separating, washing, ironing, etc. It contains a sink at which the men can wash-up before coming into the kitchen.

Four bedrooms are provided — three upstairs and one on the main floor. The latter is connected to the kitchen and bathroom by a short hallway making it easy to reach and yet far enough away for privacy and quietness. The stairs to the second floor are handy to the kitchen, and also to the first floor bathroom — a definite convenience where the second floor bathroom is left to be installed at a later date.

Note the large clothes closets in every bedroom, and also the large

storage area by the stairs on the second floor. A very useful space for the storage of trunks, valises and other seldom used articles which are always hanging around in the way.

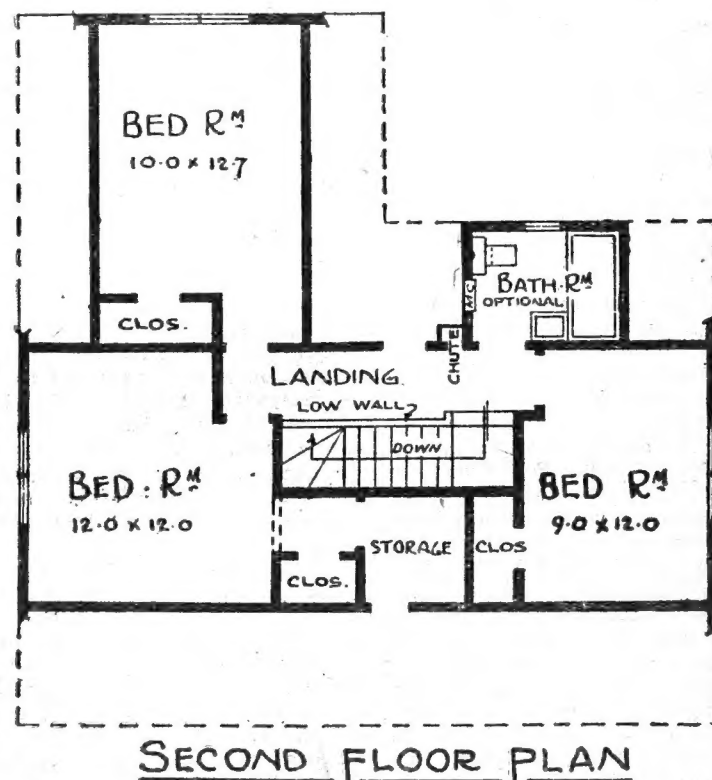
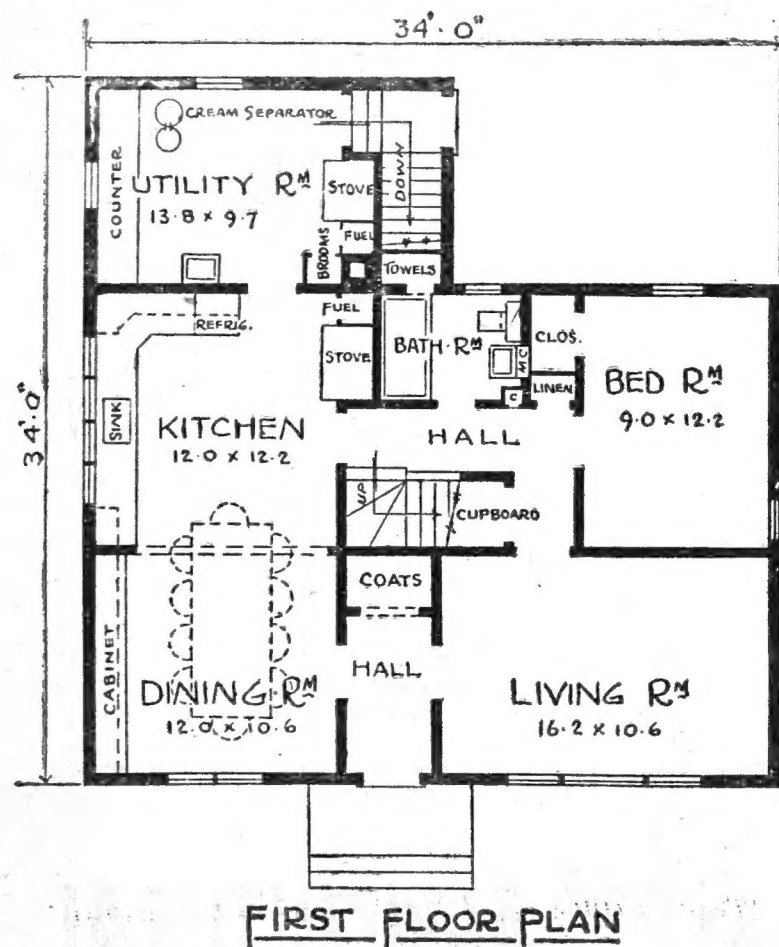
The exterior design of this home is of well proportioned, simple, easy-to-build lines, thus helping to hold down the building cost.

The utility room is built on piers making it necessary to excavate only for the full basement under the main part of the house. This eliminates jogs in the basement walls, and greatly simplifies construction.

If desired, the hall at the front entrance could be eliminated, and the space converted into the living room.

Those building this home should consider wiring for future electrical service at the time the house is built. Whether you expect to have electricity available from a wind charger, a gasoline engine generating plant, or through the extension of the Power Commission, the wiring for the necessary lights, switches and plugs should be installed before the walls are closed in.

With electricity comes the possibility of a water pressure system and full plumbing facilities. Detail plans showing the construction of the concrete septic tank and the layout of the disposal field are available from the authors of this article. Any of our readers who are interested in building a new farm home can write for further information to Messrs. Edwards and McMullen, c/o E. and M. Home Building Service, 920 - 922 Royal Bank Building, Winnipeg, Man.



INFORMATION compiled at the Dominion Experimental Station, Lacombe, shows that mixed farming is more profitable than straight grain growing, that summerfallowing is only necessary every seven or eight years or not at all; that diversified farming rotations help control many weeds and that the inclusion of a legume in the hay mixture and an application of barnyard manure will maintain the fertility of the soil at a high level.

Wheat grown on summerfallowed land in a rotation of summerfallow, wheat and wheat gave a 34-year average of 24.1 bushels per acre while

wheat after an inter-tilled crop in a mixed farming rotation which is summerfallowed every seven years produced a 36-year average yield of 36.5 bushels per acre. A 37-year average yield of wheat of 34.7 bushels per acre following an intertilled crop in a diversified farming rotation which has not included any summerfallowing since 1911.

A study of farm revenue produced on Illustration Stations and District Experimental Stations supervised

### Diversified Farming

from the Lacombe Station indicates a trend towards diversified farming throughout Central Alberta. A summary of this study shows that grain was responsible for 24.41 per cent of the farm revenue, cattle and dairy products for 41.83 per cent, hogs for 20.49 per cent, poultry for 4.91 per cent, and miscellaneous for 3.46 per cent, and that 5 per cent of the value of the farm revenue was consumed at home.

Observations made throughout the

farming district served by the Lacombe Station indicate that the trend in farming is following that indicated by the information; and that farmers operating diversified farms in the different soil zones of Central Alberta are better off financially, have more productive farms and farms which are freer from weeds; have better homes, and live a happier and more complete home life than the farmer who depends on all grain or all live stock, or the farmer who puts all his eggs in one basket.—Conrich.

A proverb is a short sentence on long experience. — CERVANTES.



# Government To Take Over All Power Resources In Manitoba

By M. TREVOR HOLLAND

WINNIPEG: Plans for a complete reorganization of power supply resources in Manitoba have been announced by the provincial government.

To begin this summary of the situation as it now stands, it is necessary to go back to early 1947 when the provincial government, noting rumors of further developments on the Winnipeg River, decided to investigate water power resources in Manitoba. It appointed a commission, headed by Dr. T. H. Hogg, consulting engineer, to conduct a complete investigation of the likely requirements for hydro electric power in the province. The commission was also requested to investigate the possibilities of further construction of power sites and to make recommendations to the government.

The commission presented its report to the government in March.

It found that only because of the relatively high water levels which are occurring on the Winnipeg River, are present operating utilities able to meet demands. On the basis of developments now under way, and with continued high water levels, it would only be possible to meet anticipated power demands for another three to four years.

Four courses of action were considered in the report. The first two, A and B, were not recommended, but the third was, and the fourth was recommended as an alternative to the third, Plan C.

Plan C called for the provincial government to take over the development and operation of all power plants. The consolidation in a municipal or inter-municipal agency of exclusive responsibility for the distribution of electricity and the operation of a transit system to serve Greater Winnipeg. The expenditures of a sum, probably ranging from \$100,000,000 to \$200,000,000, for adequate sources of power during the next 20 years.

Briefly, under Alternative D, a partial reorganization of the industry would be effected involving the setting up of a "power pool" under the control of the province, and all power generated by water power plants serving the main industrial and agricultural regions of the province would in effect be purchased by the province and subsequently allocated and sold to the three distributing utilities, namely, Winnipeg Electric Company, City Hydro Electric System and the Manitoba Power Commission.

Now the Manitoba government has decided to proceed with the recommendations. In a letter to Mayor Coulter of Winnipeg, Premier Garson asked the city to appoint a sub-committee to represent Winnipeg in discussions with the Manitoba government.

In his letter, Premier Garson stated that the province is not prepared to proceed with further power developments unless reorganization of the hydro-electric industry is assured and the province is of the opinion that there is no feasible alternative to a single hydro-electric authority.

To this end the government had already retained H. G. Acres & Company, Niagara Falls engineers, to do preliminary planning and estimates on sites at Pine Falls and MacArthur

Falls, but could make no commitments as to construction until some reorganization had been made.

As it now stands, the Premier had urged swift action by all parties — the province, the City of Winnipeg and the Winnipeg Electric Company — toward completing preliminary details of the reorganization in order that "definite commitments" on purchases of equipment and letting of contracts can be made this fall or early winter for the Pine Falls site.

## Farm Comfort Is Subject of Research

A scholarship provided by the Canadian Institute of Plumbing and Heating and Ontario Pump Manufacturers worth \$1,200.00 per year, plus expenses, was announced recently by President W. R. Reek, Ontario Agricultural College.

"The Institute is interested in encouraging research into the problems of modernizing farm equipment and farm homes," explained J. L. Demers, president of the Institute. "This scholarship is part of a broad program designed to assist farmers in their planning and installation of plumbing and heating equipment."

"It is hoped that this scholarship will assist in furthering this important work, particularly in respect to economic aspects such as savings in time, labor and costs."

The research work of this scholarship will be directed by the Agricultural Engineering Department, as part of the general program of Research of the Ontario Agricultural College.

## Fieldman For The Canadian Shorthorn Association



E. R. Henderson, Vermilion, Alta., has been appointed Field Representative of The Canadian Shorthorn Association. Mr. Henderson assumed his new duties on June 1st, 1948. He succeeds in the post Mr. J. W. Durno of Calgary, Alberta, resigned one year ago. Mr. Henderson's work will be largely devoted to activities in Western Canada, but he will be on call for duty in other parts of Canada if conditions warrant.

As soon as conditions permit, he will set up his headquarters at Saskatoon, Sask.

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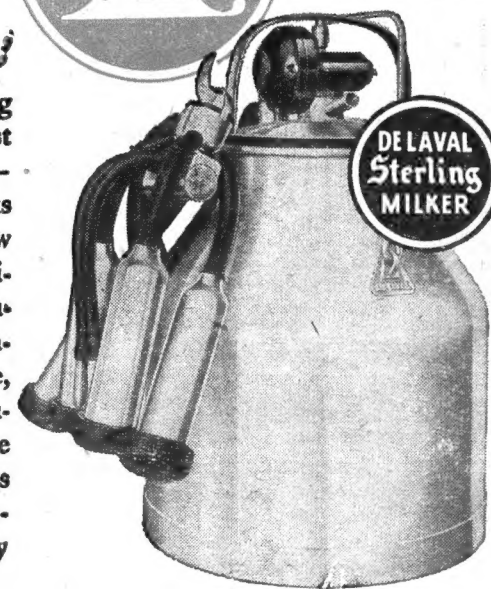
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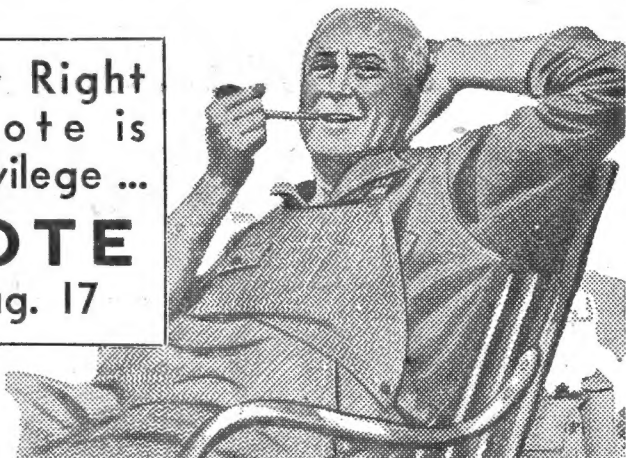
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## Visitors To Brooks Discover a Prairie Paradise

By PETER JAMIESON

THE members of the Vulcan Grain Club and parents, friends and interested parties made up a cavalcade to visit the Provincial Horticultural Station at Brooks in July. Club leaders, Ross Walker of Vulcan and Brown McDonald of Champion and District Agriculturist Peter Jamieson of Claresholm took the party across the barren lands between Lomond and Brooks and all were inspired with what can be done with water, management and experience in the middle of a prairie dry area. To people unfamiliar with the Government Station at Brooks an inspection trip came as a complete surprise and this party from Vulcan took many unexpected ideas back with them to try out on their prairie homes. Mr. Duncan Hargrave, superintendent of the station, went out of his way to give the Vulcans all the inspiration they could derive from the things they saw.

Assisted by Mr. McKay of the station and District Agriculturist Ira Lapp, the party inspected the beautiful gardens and landscaping around the station homes. We inspected orchards, heavily laden with growing fruit, apples and crabapples, plums, pears and cherries, saskatoons (which can be grown in any prairie garden) gooseberries, flowering currants, Red, white, and black currants, elderberries, all kinds of small fruits — blackberries, strawberries, raspberry canes and even grape vines. Groves of walnut trees heavily laden with green walnuts, chestnut trees, beechnuts, hazelnuts, almonds and sugar maple trees. At Brooks these trees get an irrigation of water during July and August but these trees growing here prove that they are winter hardy and can be grown in any of our prairie gardens where water is always

available. The walnut trees and horse chestnut trees were quite a surprise and had an extensive growth.

This station does a lot of experimental work in finding new and disease-resistant vegetable plants and we inspected rows and rows of corn, tomatoes, beans, peas, potatoes and other vegetables growing to try and keep our farmers up-to-date with Mother Nature.

We saw Hop plants and Tobacco plants growing successfully to try to provide new avenues of profit for the irrigation farmers. Trees of every possible kind found in North West America were represented here and every encouragement is given to people who want to beautify their home grounds by planting trees and shrubs. A farm orchard is within the reach of anybody who cares to spend a little time and care in his own yard and judging by what we saw at Brooks the returns would be an inspiration to other neighbors.

The party was surprised to find a Pheasant Hatchery with hundreds of young growing pheasants raised from eggs gathered at Brooks. These birds will later be released at strategic points in the south.

This station, Mr. Hargrave told us, is doing some special work to try and find the best varieties of vegetables suitable for going into locker plants as frozen foods. These varieties have been listed on a pamphlet available at the District Agriculturist offices.

To go through a list of all activities undertaken at this station would be too long, but we would like to emphatically emphasize that any group of people who want to make a trip to this station will get ideas and enjoyment that will last them for a long, long time. It is indeed a Paradise on the Prairie.

## Fruit And Vegetable Survey In Northern Saskatchewan

FIRST comprehensive survey of horticultural and agricultural possibilities in Saskatchewan's northern region is being undertaken this summer by the provincial government. The survey started will be completed by the end of September.

A. R. Brown, well-known in Western Canada for his "Prairie Gardener" broadcasts over the CBC network every Sunday, will make the survey. He is a graduate in agriculture from the University of Saskatchewan, has had wide experience in the horticultural field, and recently retired as school superintendent at Lloydminster.

"Object of the survey," according to Hon. I. C. Nolle, "is to lay the basis for garden development among northern residents, to investigate commercial possibilities for vegetable production, and to observe grain and fodder productivity and adaptability. At present, there are few gardens in the north country, and vegetables can only be imported at great expense.

Most of the people have poor vegetable diets and to overcome this, it is planned to encourage garden planting with improved varieties and proper cultural methods.

Mr. Brown will cover the area between southern settlement and the Churchill river system, excluding the territory north of the Churchill which is rocky and not suitable for good gardens. He will travel by plane and canoe, and will touch all the important settlements including La Ronge, Beauval, Cumberland House, Pelican Narrows, Ile-a-la-Crosse and Buffalo Narrows.

Special attention will be given to improving native fruits such as the blueberry and the cranberry. Mr. Brown will submit a report, after completing the survey, and the provincial government will then take the necessary steps to put the approved recommendations into effect. Mr. Brown's title will be "technical consultant to

(Continued on page 11)



(Continued from page 10)

the department of agriculture in the north."

In 1912 Mr. Brown organized the Carrot River school garden association, composed of 142 rural schools, and it is recognized as the first large group of its kind in Saskatchewan. In 1918 he started the first course in

agriculture at Nutana collegiate, Saskatoon, and in 1921, organized natural science and agriculture courses at the Saskatoon normal school. During his entire life he has been active in organizing horticultural societies throughout the province, and was a member of the group of persons who started the Saskatchewan horticultural societies association.

## The Endless Struggle Against Wild Oats

OFFICIALS of the Dominion Department of Agriculture have been sowing their wild oats but, as E. B. McCurdy explains it, their action has been purely experimental.

Mr. McCurdy, assistant in field husbandry at the Dominion Experimental Farm in Indian Head, describes the results of a project conducted there to find out the most efficient way to get rid of wild oats. As this project comprised 19 different cultural treatments and rotations, Indian Head officials sowed wild oats on each experimental plot to make sure the ground was sufficiently infested. This venture has now paid off with definite information on how to control this expensive weed.

Seeking eradication of wild oats, Mr. McCurdy and his colleagues find that surface worked summerfallow and deferred seeding give the best results. To eradicate any weed, one should encourage the germination of its dormant seeds so that the grower can easily get at the seedlings to destroy them. So, as wild oat seeds must be covered in order to germinate, Mr. McCurdy recommends shallow tillage immediately after harvest.

When these covered seeds germinate early the following May, the seedlings can then be destroyed by thorough cultivation — if the grower will delay his seeding until after he has performed this clean-up.

By cutting oats early for green feed, the Farm at Indian Head finds it can reduce the number of wild oats in subsequent crops. Still further reduction it obtains by increasing the rate of seeding. In the part of the test where 50 pounds of ammonium phosphate were applied with wheat on summerfallow, the highest yield was secured and wild oats controlled quite efficiently.

As the selective control of wild oats by means of chemicals has been difficult, it is probable that cultural methods will remain the best means of handling this grassy weed. As the Indian Head farm has demonstrated, wild oats can be reduced by early and shallow fall tillage to cover them; a slight delay of field work in the spring to allow the wild oats to germinate; then, a thorough cultivation, followed by seeding at a heavier rate and the use of commercial fertilizer.

## New High School Program In Manitoba This Fall

CHANGES in the curriculum for Manitoba high schools—the most radical to be made by any province in Canada, according to officials of the Department of Education — will be introduced to Grade 10 students when they return to school in September. Similar changes will be put into effect for Grades 11 and 12 at the beginning of the next term, September 1949.

The new study program permits students to choose one out of five different courses, instead of the one general course formerly offered. The five alternative courses are: general (which leads to University), commercial, home economics, agriculture and industrial. All courses include the four basic subjects of English, mathematics, science and social studies. Aptitude tests have been conducted during the past two years to assist students to determine which course they wish to take.

There is no compulsion for smaller schools to offer all courses, officials point out. The school board in each case is free to select one or more of the specialized courses, depending on the equipment and staff available; or to offer the general course only, with such technical options as can be carried. The general course is based on a four-year program for average students, but may be cut to three years by good students. The other courses require three years to complete.

Attention will also be paid to the normal choice of students in different

areas, officials state. Winnipeg, for example, will not offer the agriculture course; Brandon does not include a commercial course in its present plans, while Dauphin intends to offer all five courses.

An additional feature of the new curriculum is that it sets aside from 10% to 12% of a student's school hours to be used, at the principal's discretion, for the needs of the school; e.g., glee club, debates, student councils, or remedial work in subjects in which the student is behind.

Objects of the change are to encourage students to complete their high school course, and to use technical subjects as a medium for general education.

## Cox Retires At Morden

Mr. George E. Cox, Farm Foreman at the Dominion Experimental Station, Morden, since the summer of 1934, has retired on pension.

Born in Dorsetshire, England, he attended Public and High Schools. Then he apprenticed in gardening under his father, who for 65 years was Head Gardener for Lord Eustace Cecil. As Journeyman gardener he had experience on three other well-known English estates. The Royal Horticultural Society made him a Fellow. He served in the South African war 1901-1902, and came to Canada in 1903.

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## Alberta Faces Serious Cutworm Damage in 1949

A CUTWORM forecast for 1949, prepared by L. A. Jacobson and Howard McDonald of the Dominion Field Crop Insects Laboratories at Lethbridge and Saskatoon, indicates that damage can be expected during the 1949 season. This is based on cutworm surveys and rainfall recorded during May and June.

Summer-fallow operations for the remainder of this season should be planned to prevent cutworm infestations. To accomplish this, all weed growth should have been destroyed late in July and the fields be left undisturbed throughout August and the first half of September, when the moths are laying eggs. Cutworm moths will not lay their eggs in fields that are free of weeds and crusted from rains. Disturbance of the crust by allowing livestock to pasture or run on the field may be as serious as if the field had been worked.

This method of cutworm control should be followed this season in all districts of Alberta and Saskatchewan where May and June rainfall was below normal. Its use is particularly important in the area where the risk from pale western cutworm is expected to be greatest in 1949. This is an area bounded on the west by Coutts, Lethbridge, Arrowwood and Elnora, and on the east by Radville, Regina and Humboldt. The northern limit runs eastward from Elnora through Alliance, Wainwright, Edam, Leask and Domremy to Humboldt.

### Don't Cultivate

When weeds are destroyed late in July subsequent growth normally will not be sufficient to require tillage during the above period. In the open prairie areas of Saskatchewan and Alberta, where the pale western cutworm is the chief species, the surface crust on fields should not be disturbed by tillage even if a heavy weed growth does develop.

This method of ensuring cutworm-free summer-fallow fields for next season's crop requires no additional time or labor, simply the proper timing of weed control operations during the last half of the summer. It is a sound agricultural practice because it gives satisfactory weed control as well as preventing cutworm infestation. For these reasons this method of handling the summer-fallow should be the standard one in the area where cutworms are frequently a problem.

In the Parkbelt and wooded agricultural area of the prairies, where the red-backed cutworm is the chief species, the same method of preventing infestation of fallow fields should be followed. However, if a tall weed growth has developed by about the third week in August it should be destroyed since the red-backed cutworm frequently lays eggs in such fields. This should be followed especially in northern Saskatchewan where serious, although spotty, damage by this cutworm occurred in 1948.

The present forecast is preliminary. It is made to enable the farmers in the areas of greatest risk to get their summer-fallowed fields cleaned up well before the danger period. Later, a final forecast will be made if necessary, after surveys have determined where the cutworm moths are

most abundant, when the areas of serious risk can be more definitely defined. This final forecast will include more detailed information for the spring control measures that may be used.

For further information on cutworm control, write to the Dominion Field Crop Laboratories at Lethbridge, Alberta, or Saskatoon, Saskatchewan.

\* \* \*

## Storing Weed Sprayers

TIME, money, and tempers will be saved next spring if, at the close of this year's operations, a little time is spent in thoroughly cleaning the machine used for chemical weed control before it is stored under cover. Even though sold as "rust proof", sprayers improperly drained of chemical solution corrode and cause endless delay and trouble next spring to get back into working condition.

The following procedure is suggested:

1. Drain both tank and booms of chemical solution.
2. Partially fill the tank with clean water, adding a half gallon or so of lubricating oil after the water.
3. Start up the machine and run the water (and oil) through the nozzles; the oil will form a film on the inside of the tank, piping, booms, etc.
4. Dismantle by removing hoses, nozzles, pump, etc., carefully draining off any water.
5. The pump, nozzles, and screens, should be placed in a can and kept immersed in light lubricating oil until required next spring.
6. After covering the tank (and motor, if one is used) the outfit should be set on blocks and stored under cover.

Dusting machines should be swept clean of any dust material before being stored under cover.

\* \* \*

## Crested Wheatgrass Pasture Sown Best in August

BECAUSE of its adaptability to the drier areas crested wheatgrass continues to be the most important cultivated grass grown throughout Western Canada.

The best time to sow crested wheatgrass is from the last week in August until the middle of September. If seeding at this time is not possible due to grasshoppers or pressure of other work, it may be done in the late fall, just before freeze-up or in the very early spring. The important point to remember in seeding is that the seedling requires weather in which to make the best growth. The grass should be drilled into a firm seed bed, such as a stubble field or an area that is covered by annual weeds, without previous cultivation.

Stubble or weeds will protect the young seedling from the direct rays of the sun, and offer no competition to the growing plant.

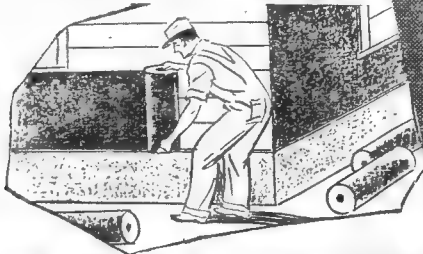
Deep seeding should be avoided. From one-half to three-quarters of an inch is sufficient. This usually means that nearly all pressure can be taken off the drill runs.

(Continued on page 13)

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(Continued from page 12)

## Protein Supplements Cut Hog Feed Costs

AT current prices some feeders may question the economic use of protein supplements in the hog ration in spite of higher prices prevailing for feed grains. It has been amply demonstrated by experimental stations and agricultural colleges that when feed grain is highest in price, protein supplements make their most important saving by replacing considerable quantities of that high-priced grain. In short, from the standpoint of feed economy alone, the higher the price for feed the more important it becomes that proteins form a part of the ration, even though they also are high in price.

That fact is quite easily explained. The stomach of the pig is small and can digest only limited quantities at a time. It would seem clear, therefore, that if we are to produce a 200-lb. hog in six months or less, we must put through the stomach of that hog a combination of feeds which will contain the elements necessary for the growth desired. While cereal grains contain all those elements the higher carbohydrate content necessitates the addition of proteins and minerals if proper bone and muscle development is expected within that comparatively short period.

The question has been asked, "How much can the producer afford to pay for protein and mineral supplements and still come out on the right side of the ledger?"

Many producers insist that, particularly with a ration of mixed grains only, it requires at least 600 lbs. of feed to produce 100 lbs. of live hog. On the other hand, Danish and Canadian test stations, as well as the performance on many Canadian farms, have demonstrated that with a properly balanced ration that gain can be made with 375 lbs. or less of feed consisting of approximately 330 lbs. of mixed grain and 45 lbs. of supplement or concentrate.

For example, using 330 lbs. of grain priced at 3 cents and 45 lbs. of supplement at 4 cents, the calculation works out as follows:

330 lbs. x 3c -- \$ 9.90  
45 lbs. x 4c -- 1.80

Total feed cost \$11.70

The cost of a straight grain ration, using 600 lbs. of grain at 3 cents,

would total \$18.00 for the same gain.

It will be seen that as grain increases in price the protein supplement makes increasingly important contributions to feed costs and could be used to good advantage even if priced as high as 6 times the price of grain since 45 lbs. of supplement replaces 270 lbs. of grain. A farmer with grain in the bin can make a useful comparison of the value of that grain fed to hogs. Using the above example, when the current market for grain is 3 cents a lb. the cost per 100 lbs. live gain, using grain alone, is \$18.00. By spending \$1.80 for 45 lbs. of supplement only 330 lbs. of grain is used, which means its value is roughly 5 cents per lb.

Proper use of protein supplements does much to improve the ultimate quality and grade of the carcass, as well as cutting down feed costs. As noted, carbohydrates are practically the only element present in grain in sufficient quantity for the need of the hog.

Carbohydrates promote body heat and the production of fat. It is the proteins in the ration which make lean meat and muscle so highly valued in our bacon hogs and grains do not contain enough proteins to produce high grading hogs. Minerals also are needed in greater quantities than supplied in grains, to promote bone development and aid digestive functions. — Canadian Packers' Council.

\* \* \*

## Fertilizers Produce Increased Yield.

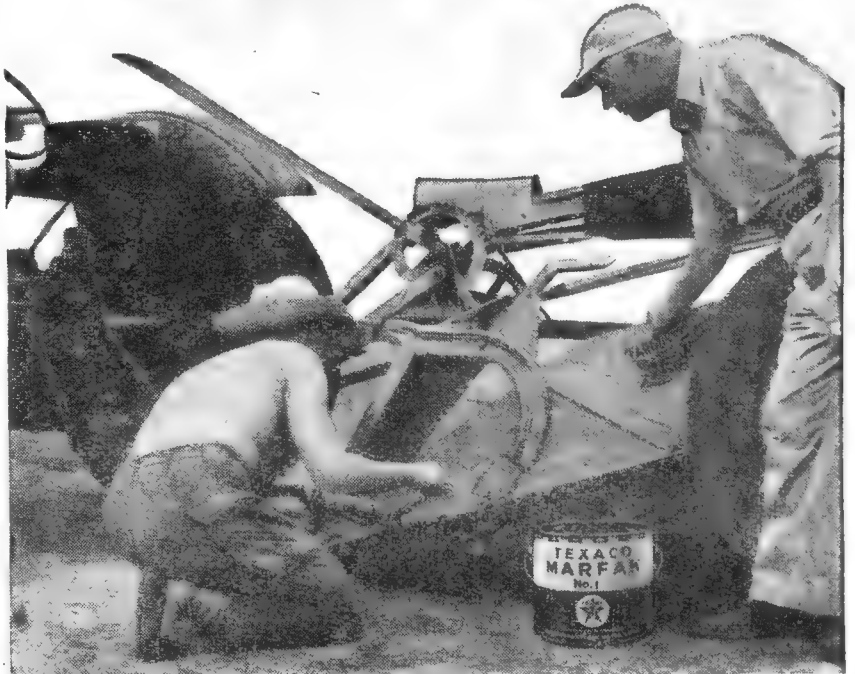
EIGHT years research at the University of Saskatchewan told soils experts Saskatchewan farmers could increase annual revenue by about \$15,000,000 through use of fertilizers.

Most important, possibly, was the discovery that yield was increased by fertilizer even in a good year. Tests were made at 40 different places in the province.

Equally important was evidence that fertilized crops matured 10 to 14 days earlier than otherwise and consequently would more likely escape frost.

Increases ranged from 0.2 bushels to 9.8 bushels per acre.

## How TEXACO MARFAK adds Longer Life to Bearings that operate in dirt...



This farmer pumps Marfak Lubricant into bearing until it forms a "collar" around the open edges, sealing out sand and dirt. The Texaco Marfak "seal" lasts longer, gives real protection to bearings that operate in dirt and dust.



Here's the way famous Texaco Marfak forms a "collar" around edges of open bearings, sealing out grit and dirt that can soon ruin bearings.



This tractor is getting the benefit of McColl-Frontenac's premium motor oil. That means extra power, fuel economy and longer engine life because this famous motor oil cleans as it lubricates.

THIS potato specialist and prominent farmer has found that the bearings on his potato digger last much longer than those on his neighbours' machines. And the reason is: Marfak Lubricant. "Texaco Marfak sticks to bearings hours longer" says this farmer. "If more farmers would use Texaco Marfak on bearings that operate in dirt, they would save themselves a lot of bearing troubles". On the toughest lubrication jobs in farm machinery, Texaco Marfak proves it lengthens bearing life. Out in the U.S. Corn Belt, farmers call Texaco Marfak "corn picker grease" because it has ended their bearing troubles. Better order some Texaco Marfak today — from your local McColl-Frontenac representative.

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### National Pastime

In Benicia, Calif., Mrs. Exorah Tucker, 67, was treated for injuries she suffered while playing baseball. In Zanesville, Ohio, Charles King, 80, broke his hip at batting practice.

### Side-Swipe

In Rome, Wis., Motorist Frank Beaver swerved violently to avoid a dog on a bridge, knocked down the bridge.

### Jeweled Movement

In Portales, N. Mex., Millard F. Holcomb finally discovered the reason why his cow had been limping for the past six years: his wife's long-lost diamond ring was firmly lodged in its hoof.

### Crime & Punishment

In Memphis, whoever robbed the Rev. John Maddox of his briefcase got a three-year collection of sermons for his pains.

### Short Putt

In North College Hill, Ohio, Charles A. Lasure, 82, rested overnight after a 1,000-mile junket from Ardmore, Okla., then started back the way he had come: by motor scooter.

### Live Wire

In Boston, Telegraph Clerk Virginia Sullivan carefully counted the ten words of a customer's message, handed over \$500 as soon as she had absorbed it: "This is a stickup. Quiet and you won't get hurt."



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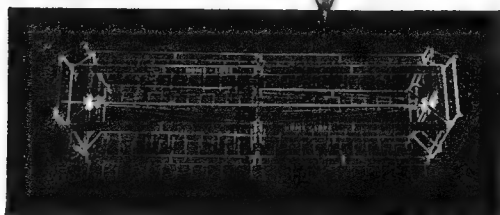


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ALBERTA

## The Alberta War On The Tick Front

By C. FRANK STEELE

ALBERTA has been having its rat scare as we are told the plague carriers are closing in on the province from two sides — from British Columbia on the west and Saskatchewan on the east. Sensational stories of live rats and dead rats have hit the headlines, but we are assured that as far as known the province is still rat-free, but Albertans are warned to co-operate to "hold that line" meaning the rat line.

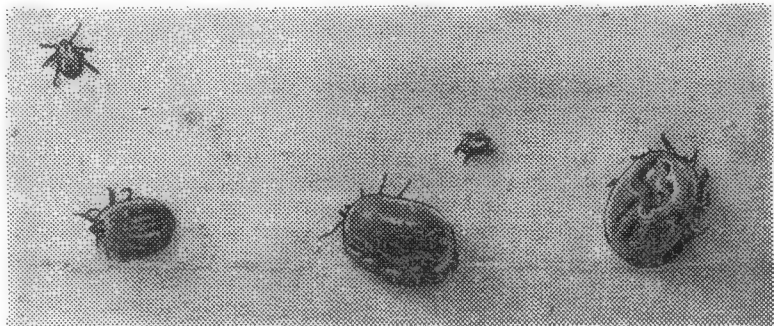
But there is another line Alberta folk are warned by their health authorities to hold and that is the tick line, meaning the Rocky Mountain Spotted Fever Tick.

The battle against this little killer is Alberta's today, it may be Canada's tomorrow. The area infested by

by some students of the problem that Saskatchewan too has the spotted fever tick but the focal point of attack has been Alberta.

The tick itself, dangerous though it is, is nothing much to look at. There is a sex difference in color that is interesting, however. The males show a whitish-grey color and the females a similar color yet showing in addition a small grey crescent on the anterior part of the back. The adults are about the size of a bedbug, but when the female becomes engorged it assumes the size of a navy bean. The bloated body takes place as the eggs develop and because of the blood she has taken in for food.

The bite of the spotted fever tick may cause death. In fact, the death rate in the past has been from 20 to



these little bugs that attack man and beast is spreading; last year spotted fever ticks were found in the Coutts district on the Alberta-Montana border. But this is not surprising for Montana has long waged war on these ticks and along with Alberta a joint attack is being made. This year Alberta has its crews in the field on the trail of the spotted fever ticks for this is a public health project that calls for sustained and systematic action.

The spotted fever ticks operate in the summer — they come out with the buttercups, so the saying goes, and as one cowpuncher down in the Southeast Alberta "tick belt" was heard to remark: "Ticks are where you find them and they're tough babies in any man's country."

He is right — they are tough babies. But Alberta's battle against this pest is paying off and John R. "Jack" Brown, M. Sc., Alberta's No. 1 tick fighter, believes Alberta is winning the fight.

The scientific name for these tiny savages is *Dermacentor andersoni*. The cow-puncher who had been helping to arouse the country folk in the short-grass country to get to the clinics and get vaccinated against the plague didn't know the scientific name for them but he knew a bite from one of them might prove fatal. It had proved fatal right down in the Manyberries country. That is why he and others in Alberta's southeast are now giving every co-operation to the Alberta health department in its tick war.

They are battling this threat to their families and their neighbors' families because they know now that the tick spreads three serious diseases — spotted fever, tularemia and tick paralysis.

Now ticks are varied and plentiful in the foothills province, but this little spotted fever tick is out in front as a danger to public health. The established "tick belt" may be described as the Montana boundary on the south to the Red Deer River on the north and from the Saskatchewan border to the Rocky Mountains. It is believed

30 per cent of those infected; in Montana in sections where the type is most severe, the fatality rate has been as high as 75 per cent.

There are but two avenues for preventing infection with Rocky Mountain Spotted fever: First, personal care; second, vaccination. Under personal care are included the avoidance of tick bites, the wearing of suitable clothing and the early removal of any ticks which may become attached to the body.

Alberta has learned much about this tick business from its neighbor state of Montana. It is from the Hamilton, Mont., U.S. health laboratory that it draws the vaccine used to combat this plague. R. R. Parker, director of the Rocky Mountain laboratory and a recognized authority on the subject, has this to say on controlling the disease:

"In regard to suitable clothing there is but one point of first importance, namely, the wearing of apparel that prevents ticks from attaching to or crawling up the legs. For this purpose high boots, leggings, puttees and socks that are worn over trouser legs are all of real value. The ticks, which usually transfer from vegetation to the clothing at a height of less than 18 inches from the ground, will then crawl up the outside surface of the clothing, and most of them can be seen and removed.

"Those that reach the back of the neck, as many do if not discovered, even if entrance through the clothing has not been made at some lower point, will usually be felt when they touch the skin or hairs on the neck. It is good practice when in dangerous country to pass the hand over the back of the neck occasionally to feel for ticks."

Parker suggests that clothing should be examined twice a day, when in tick country, and on retiring at night all clothing should be removed. Great care should be taken when two persons occupy the same bed. If an infected tick — fortunately not all ticks are infected — becomes detached from one and attached to another, in-

(Continued on page 15)



(Continued from page 14)

fection of the latter may take place quickly because the virus has already been reactivated. Instances of double infections are not uncommon. In one instance three persons were thus infected.

If you should find a tick on your body get rid of it pronto. This is important for every added moment of attachment increases the danger of spotted fever or other tick-borne infection. Many suggestions are made for removing the ticks, but perhaps the best method still is with the fingers. There is no grounds, it appears, for the common belief that to so remove a tick would leave its mouth parts in the body. Such a thing is very rare and better this than take a chance of contracting spotted fever. When sterile instruments are available these might well be used, of course, for the mouth parts are then removed. No matter how the tick is removed, use iodine or some other agent on the bite.

Vaccination is the general practice in all tick regions including South-eastern Alberta. The first Alberta clinic was held at Manyberries, now clinics are planned at other points as well in the tick belt, and to these clinics, operated by the provincial health department, go old and young, male and female, to become immunized. These spring clinics are credited with curbing the disease. As mentioned, the vaccine brought in from the Hamilton, Mont., laboratory has definite immunization effects. It is prepared from the tissues of infected Rocky Mountain wood ticks and was expensive at first. Now the cost has been appreciably reduced and the methods of preparing the vaccine have been greatly improved and speeded up.

If a person is infected during the immunization period there is strong probability, so the experts say, that the subsequent course of the disease will be affected favorably, even in areas of high case-fatality rate. Vaccination after an actual tick bite may prove helpful, but vaccination early in the season is recommended.

The first recorded case of spotted fever in Alberta was fatal. That was back in 1935 and the patient was a farmer in the Manyberries district, a heavily infested area. He was infected early in July, was taken to the Medicine Hat hospital on July 25 and died July 30. Three other cases at least in Alberta have resulted fatally.

Science is making definite headway against spotted fever. It is known, for instance, that rabbits and small mammals carry spotted fever infection, but the disease does not affect them. They serve, however, as carriers. During the complicated life cycle of the tick — that is its three stages — each stage requires a blood meal and the infection is picked up from the reservoir. The infection can also be passed on by the female tick through her eggs to her offspring.

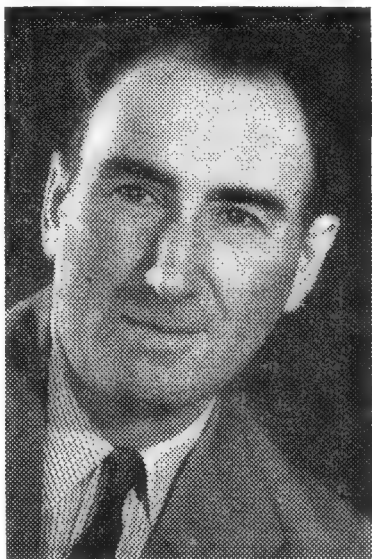
Persons walking through brush in tick country should be very careful for the ticks are waiting to hop off their perch and attach themselves to a passerby either animal or human. Ticks are most frequently found in coulees, seldom on the prairie proper.

In spotted fever, for which there is really no known satisfactory treatment, the patient runs a high fever with lung and kidney involvements. The blood system is also affected and death is caused by various complications, the later stages being extremely painful. How many unrecorded cases of death by spotted fever there have been one cannot say.

Tularaemia is caused by infection contracted from infected small wild

animals usually rabbits, or from the bite of infected ticks. There is said to be no specific treatment, but doctors, as in spotted fever cases, can give the patient some relief. In fact, in all these tick-borne diseases a doctor should be called at once. This goes for tick paralysis as well as spotted fever and tularaemia.

Thus Alberta's "tick war" goes on without fuss or fanfare, but it is a real war nonetheless and vital to the whole public health front in the Dominion.



Dr. T. W. Grindley, who has been appointed a commissioner of the Canadian Wheat Board, to fill the vacancy created by the resignation of Mr. Florent Arnold.

FOR the past ten years Dr. Grindley has been Secretary of The Canadian Wheat Board. His services with the Board span the pre-war, wartime and post-war operations of the Board and provide him with the widest possible knowledge and experience in the conduct of Board affairs.

Prior to joining the staff of The Canadian Wheat Board, Dr. Grindley served as Secretary of the Royal Grain Grain Inquiry Commission (1936) for a period of two years. This Commission examined all phases of the marketing of wheat in Canada and conducted inquiries into the marketing of Canadian wheat in overseas countries. At the conclusion of his work with the Commission, the Board requested Dr. Grindley's services and he was seconded to the Board by the Department of Trade and Commerce, Ottawa.

While born on the Isle of Man, Dr. Grindley received his early education in Edmonton, Alberta. He is a graduate of the University of Alberta, receiving a B.A. degree in 1923 and B.Sc. (Agri.) in 1925. He later undertook post-graduate work at the University of Minnesota and received his M.A. degree in 1927 and his Doctorate from the same University in 1929.

### Quips

*Bad officials are elected by good citizens who do not vote.*

\* \* \*

*The difference between kissing your sweetheart and kissing your sister is about twenty-five seconds.*

\* \* \*

*Curiosity is the beginning of useful knowledge.*—PERCY WHITE.

\* \* \*

*What we do not understand we have no right to judge.*—H. F. AMIEL.

\* \* \*

*Life is a grindstone, and whether it grinds a man down or polishes him up depends upon the stuff he's made of.*—ANON.

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## He Doesn't Think Much Of Customs Union With U.S.

To the Editor:

I think very little of your proposed customs union with the U.S. Whether "Life" agrees or not makes no difference whatsoever; even if it was a magazine on my reading list, it is not Canadian and I do not agree that it has any place in any discussion relating to the internal arrangements affecting Canada or the Commonwealth. We can mind our own knitting and they can mind theirs. I have no objection whatever to their stating the advantages such a union would be to them — in fact that is

most welcome. But when they try to tell me what Canada or Britain or any other part of the Commonwealth thinks or should do or would be glad to give its blessing to, that is none of their business and, chances are, not correct anyway.

Now mind you, I make no objection whatever, for all the Commonwealth and the U.S., and as many more as can be included, to enter such a union or a political union. What I do mind is this tacking on a bit to the U.S. and disregarding the rest.

In the first place, nearly all the things you hope for are just hopes. You are certain of none of them.

If U.S. interests are grabbing our forests and other resources, how will a customs union stop that? It certainly has not and is not stopping the same forces from stripping the U.S., else why all this yell about needing new sources outside the U.S.? They too, are concerned about youngsters preferring salaries to enterprise.

The fact is NOT conceded that our standard of living would be raised. We just hope so. In fact, if the U.S. is becoming short of maintenance as you suggest, then it is quite likely that there is going to be one terrific let down. (Of course we get hit in any case, but with a higher standard?) Maybe we should watch a bit. Mind you I do not know — neither do you.

Again for our markets. You admit surplus products would create problems — under the old system. Well now, since when has it been clear that there will be a new system? It isn't ratified by the U.S. Chances are that we will have the surplus alright and we will have to find a market in Europe whether it recovers or not. We will just have to get sense enough to buy where we sell. We must have, to escape our U.S. farm blocs, not Customs but Political Union and that would really cook our goose right.

You might look in "Life", where I have not looked, and some other U.S. publications — any leading ones — and see what the chances are that Britain and the new customs union might decide to stay clear of any war just now and get a few billions of her lost purchasing power back while the U.S. and Russia fought. Well it sounds reasonable. U.S. did it twice with good results. We cannot allow that. We must not cut loose from the Empire and join the U.S. for just that reason. We cannot strengthen the U.S. beyond what we offer now by so much as one toothpick, though we become just a set of minor states or territories but we can turn away all Western Europe — especially Britain. They would figure rightly, that there was nothing to gain by siding with us, the U.S. would only grab a bit more in the end. Best stay neutral and cash in. I think we would win anyway — perhaps that is conceit — but do not tell me as many of us would be alive to tell about it.

Magrath, Alta.

J. A. Spencer.

(Continued on page 17)

## MAKE THIS A Pool Elevator Year



Alberta Pool Elevators were built by Alberta grain producers -- you and I.

We "sod-busters" have done a pretty fair job with our co-operative venture into the field of giant business.

Our Pool Elevators have given fine service and saved us from exploitation.

Now friends let us all get behind this enterprise. It is our own. Let's keep it growing.

*Alberta Pool Elevators*



(Continued from page 16)

## Poker, Dice and the Grain Exchange

To the Editor:

I have been reading your publication for several years and I think that your Editorials are the best of any farm journals west of the Great Lakes and I fervently hope that you keep up the good work.

Two letters in your June issue have provoked me to write: One by Mr. Fabriz of Dapp, Alta., who says that there is no gambling but only speculating on the Grain Exchange and that does not hurt farmer or consumer, because, he adds: "If one speculator wins, another one will lose". How profound. A very keen mind will discover, however, that this is exactly what's taking place when I am shooting dice or playing poker. When I lose (because I speculated wrongly that I was the better player) the other player wins.

The future looks extremely dark to Mr. Fabriz, for he goes on to say in a very gloomy voice: "But all polemic is useless, as the farmer cannot see." How sad! If the farmer cannot yet see, that the Grain Exchange is utterly useless in protecting the farmers' position, then the position of the farmer is hopeless indeed.

As to the letter of Mr. Strange, of the Searle Grain Co.:

If what Mr. Strange writes is true; if grain prices are controlled by no man, if prices must ever fluctuate, if the farmer must look to the Government and not to the Grain Exchange for a just floor price, then the farmer must be pardoned for asking that question so obviously in front of him: Why not have the bl . . . institution around at all?

Mayview, Sask. Paul Deppeler:

• • •

the relative value of wheat in competition with the other major food supplies and to some extent the ability of other peoples to pay for those foods. Were wheat the only staple food in the world the situation would be much different but it is actually in fifth place as a staple.

Let us consider coarse grains and the effect of the open market for a minute. At the beginning of the past crop year oats and barley were government controlled and worth around 52c and 74c respectively. On October 21 the open market took over, resulting in prices which it would appear will average about 18c a bushel more for oats and 35c a bushel more for barley in spite of the fact that the Dominion Government has maintained a prohibitive export tax in the form of their equalization payment. This has effectively forced our coarse grains to be marketed almost entirely at home. This has forced sharp market adjustments as home demands were met and has caused some to complain that they have lost money through these adjustments. They may have sold below the peak of the market, but they certainly received a great deal more than under the government board.

As to the solution to crop surpluses I believe we could have a most effective one. Were the farmers of the west allowed to build up a reserve, clear their titles etc. in times of high world prices and at the same time protected from bankruptcy by a floor price or subsidy in times of economic hardship, which it seems the government can do for other classes of producers, especially manufacturers, I think we would have the situation defeated. As you pointed out this month we can't afford to carry so great a load of government expense on our backs so why fool around with state marketing.

Eckville, Alta.

S. Hewson.

## Major Strange Finds A Strong Supporter

To the Editor:

It would appear from your notes on Major Strange's letter in reply to your editorial that you have completely missed the thought he was putting forward. He merely stated that the Government monopoly, the Canadian Wheat Board, found it expedient to sell Class 2 wheat at a price which would compete on the world market. This market which according to the past and present propaganda of certain organizations is subject to fluctuation on the sole efforts of speculators, is undoubtedly reflecting in fact

## Air Raid On Black Flies

OFFICIALS of the federal entomological department at Saskatoon were pleased with results of their first, experimental, air-borne attack on Saskatchewan's pesky black flies (made in late May).

Using a plane from Suffield experimental station D.D.T. was sprayed on the Saskatchewan river north of Saskatoon to catch the black flies while still in the larvæ stage. The D.D.T. worked fine, Dr. A. P. Arnason, head

of the department in Saskatoon, said afterward.

Billions of the larvæ were cleaned out and none found in the river afterward as far as 15 miles downstream.

Black flies breed in the river and in late May or early June emerge. Two years ago they cost Saskatchewan farmers 600 animals worth \$70,000 and last year 200 animals were killed.

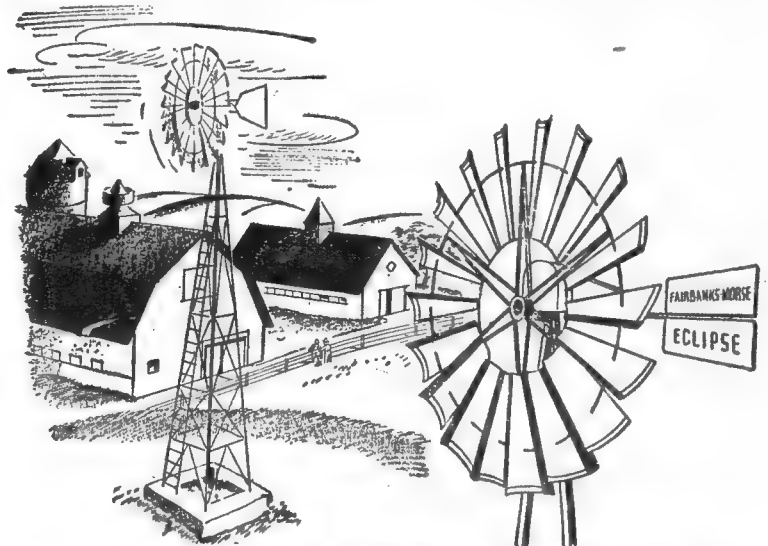
Dr. Arnason emphasized the attack would not prevent an outbreak this year because only one of scores of breeding sites in the river was attacked. He added, however, that there might be no outbreak this year.

Serious outbreaks depended on a number of factors, not all of them yet known to entomologists.

D.D.T. was applied in a strength one part to 10,000,000 parts water.

At the same time Dr. C. R. Twinn, chief of the household and medical entomology department, Ottawa, said post-war research had produced insecticides far more efficient than any previously known.

Experiments at Churchill last year showed insecticides were the most promising method of insect control for quick results, he said.



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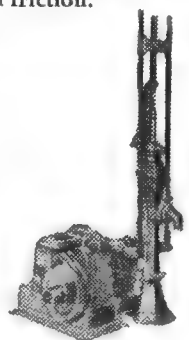
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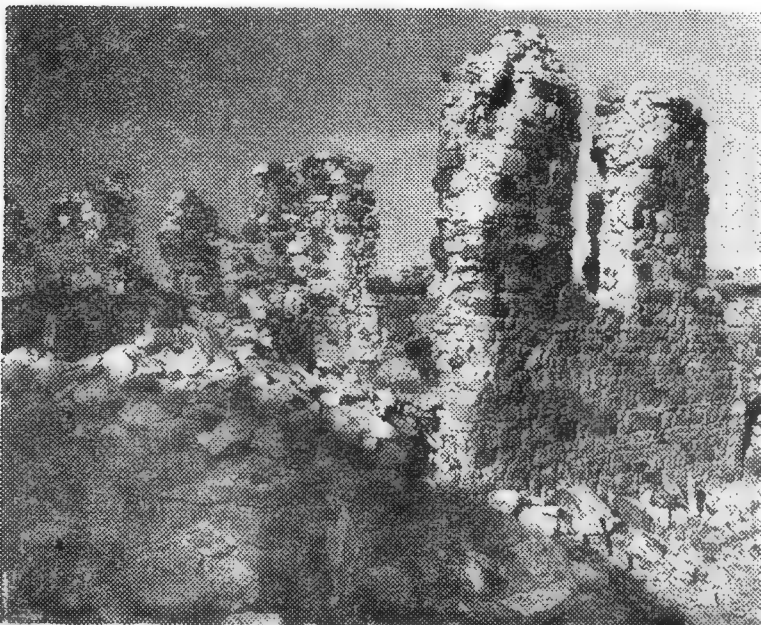
To turn this total wind force into pumping action, friction is reduced by the transmission mechanism. The wheel shaft spins in two roller bearings, and the cross-head has its own roller bearing. Complete self-lubrication further keeps down friction.

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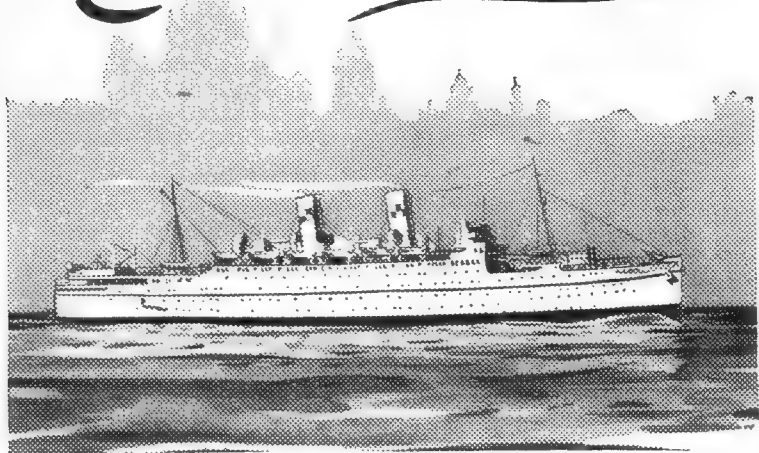
Canadian National Railways Photo.

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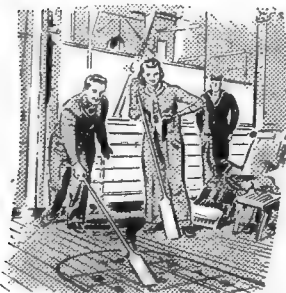
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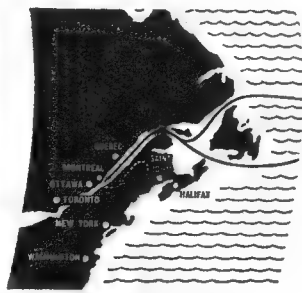
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## In Nature's Wonderland

# The Starling Menace In Western Canada

By KERRY WOOD

(Author of Three Mile Bend, Birds and Animals of the Rockies, A Nature Guide for Farmers.)

THE European Starling has spread to many parts of Western Canada during this past spring, and is now busy with family raising that bodes no good for farmers and townfolk of the west. Starlings are marvelous insect destroyers, but their good works in this capacity are more than cancelled by their pugnacious persecution of more valuable native species, their filthy housing habits, their fondness for cherries and other commercial fruit crops, and their communal roosting habits which have proven so destructive to trees.

First introduced into the State of New York during the 1890's Starlings were not long in spreading throughout the eastern states and northward into the Maritime Provinces and eventually into Quebec and Ontario. They were brought to America to help combat the plagues of tent caterpillars then infesting the shrubbery in New York State. Starlings thrived in the new country, but soon revealed habits which were not so desirable as their caterpillar destruction. Where ever Starlings flourished in the New World, native birds that were dependent on artificial bird-boxes and holes and crannies in orchard trees for nesting sites seemed to suffer.

The Starling can easily wrest a bird-box from either a bluebird or a martin, both beloved house-nesters and very valuable insectivorous birds. In addition to the Starling's filthy nesting habits around orchard trees, farmers soon had something serious to report. Starlings had shown a marked preference for cherries, their large flocks causing serious financial losses to orchard men. And before long the grain farmers were complaining that huge flocks of Starlings sometimes descended on a stooked field and reduced the harvest considerably.

We may shortly discover that this hardy blackbird has increased to intolerable numbers in our Canada. The first Starlings to invade Central Alberta were spotted in 1945 at Penhold, eight miles south of Red Deer. That same year other Starling flocks advanced along the main line of the C.N.R. and reached a district fifty miles east of Edmonton. During the 1948 spring, sizeable flocks of Starlings were sighted all over Central Alberta and in districts more than a hundred miles north and west of Edmonton. As yet, Starlings are mostly migratory in Western Canada, spending only the open weather period in the west. But there have been reports of a few isolated flocks wintering in the smaller towns, where they scrounged food around grain elevators and garbage dumps.

Western Canadians are not yet alarmed about this bird invasion. However, more and more western farmers and gardeners have become interested in raising hardy fruits for home canning purposes: when Starlings start cleaning out cherry-plum and other fruit crops, we're going to get angry. Worse, when western Starlings increase to the state when their autumnal flocks number thousands of birds, grain farmers with ripened wheat in the swath state are going to suffer heavy losses from the birds' attentions. The time may come, too, when Starlings will be plentiful in the Kootenay Districts of British Columbia,

headquarters of the cherry growing industry of Western Canada. Remembering the birds' persistent fondness for ripe cherries, we can easily guess what will happen when Starlings invade the Kootenays in numbers.

A description of the bird might be welcomed by farmers living on the fringe of the Starling invasion areas. During the springtime, the adult Starling looks similar to an ordinary blackbird, except that it has a shorter, stubbier tail; the Starling beak is bright yellow and rather long, while its legs and feet are reddish in color. During the autumn, the iridescent black feathering is heavily spotted with V-shaped creamy colored specks, while the juvenile birds are brownish with white throat markings. Starlings are seldom seen singly during the fall season: that's when they start flocking in sizeable numbers.

As yet, Canadians haven't done much about controlling the Starling nuisance. For years the writer has advocated that provincial and Dominion agriculture departments engage Pest Control Agents to help farmers with their special pest problems in the bird and animal category. Starling control is a case in point. Our methods of reducing the birds to controllable numbers have failed from the start, mostly because we have never organized a full scale drive against the birds. Eastern farmers working as individuals, have had slight success with wire traps. Shooting has occasionally helped to drive away a flock from a cherry orchard, but is only a temporary relief from the birds' destructive visits.

The writer believes that the time has come when we'll have to stage an all-out campaign against Starlings. When that time comes, (if it hasn't already come!) we may find our best control weapon to be the shot-and-concrete bomb such as is now used so effectively to reduce crows at their winter roosts in the central States. The Crow-bomb, an inexpensive item made with a stick of blasting dynamite swathed in a few pounds of concrete into which fine gravel and No. 6 bird-shot have been mixed, is hung on the trees favored by crows at a communal roost region. Each bomb has a killing range of 10 yards radius, so two or three dozen of these bombs are usually sufficient to ensure the saturation bombing of a sizeable roost area. All detonating wires are attached to a pair of main wires controlled by one battery, which is located a safe distance back from the roost. When the roost is fully occupied by crows at night, the bombs are exploded and thousands of pest birds are thus wiped out at a cost of only a few dollars.

Since Starlings patronize the same roost areas night after night throughout the winter, congregating in thousands at favorite tree groves, shot-bombs such as those used for crow destruction should be equally effective at destroying large numbers of these unwanted pest-birds now flourishing throughout Canada. So far as the writer knows the Shot Bomb has never yet been used against Starlings, but this bomb may become our most effective weapon in the coming battle to reduce Starling numbers.\*

\*Complete plans for making Shot Bombs can be found in the writer's book: A Nature Guide for Farmers, Larson Publishing Company, Saskatoon, Saskatchewan.



# HERE'S to YOUR HEALTH!

## How to Acquire Sore Feet

No part of the body undergoes so many insults as does the foot. Even before the baby is born preparations are made to have booties on hand to greet its arrival and from its birth it is seldom without some form of shoe.

Children and most men can generally obtain reasonably suitable shoes but from adolescence onwards women's feet are twisted and battered to the caprice of fashion. The high heel is generally regarded as fashionable but medical authorities regard it as an ever fruitful source of foot discomfort and disability.

Transgression, of nature's requirements in the use of the feet usually carries a penalty and so it is that the feet are subject to many disabilities.

Probably the most common of these is foot-strain, the condition generally known as fallen arches. In most cases a course of foot drill will bring about a cure but in advanced cases it may be necessary for the patient to remain in bed for a week or two before beginning foot drills. Frequently excessive body-weight is a potent factor in producing foot strain.

\* \* \*

## As The Twig Is Bent

Teaching a child to accept a spoon at a very early age may often save the mother endless trouble later on when she begins to offer the child solid foods, national health officers say. The age of one month is not too early to accustom a baby to accept such foods as cod liver oil and citrus fruit juices from a spoon.

When the child is accustomed to a measure of spoon feeding, many of the feeding problems that often arise three or four months later may be avoided.

\* \* \*

## The Wet Habit

Bed wetting in a child is not just a "bad habit." Doctors know that each case of poor bladder control calls for careful study. The cause of the trouble may be one of a large number of factors and it is necessary to isolate the cause before constructive measures may be taken to free the child from his problem.

Understanding and encouragement on the part of the parents are essential. Above all, parents should avoid trying to solve the situation by scolding, beating, shaming or bribing.

\* \* \*

## Troublesome Times

There are times when any child is particularly troublesome and disobedient. Health experts say that before taking action parents should look for the cause of the trouble. Perhaps something unusual has happened to upset the child; perhaps he is tired; perhaps he has eaten unusual food or has a cold coming on.

Or again, he may possibly be feeling insecure in his parents' affection because a baby brother or sister is getting their attention. If the cause is understood the parents will find it easier to be patient and will not be so inclined to act unwisely on the spur of the moment.

## Sight Superstition

There is a popular superstition that artificial light is bad for the eyes. Doctors say this is not true, provided the light is of adequate amount and is properly distributed so as to prevent annoying glare.

Our eyes have evolved to work best in light comparable to diffuse sunlight. Artificial light is usually much less intense, although light engineers are constantly striving to produce light comparable to diffuse sunlight. We do not need to consider that sunlight is dangerous unless we look directly at the sun, when an irreparable burn of the retina may result.

\* \* \*

## Coaxing or Co-operation

Many parents who have trouble teaching their children to obey are guilty of bribery and coaxing, national health authorities state. Parents should never bribe or coax a child to do what he is told. This is bad because the child should learn that obedience is his own important contribution to the well-being of the family.

If parents use bribery, the child will soon realize that he can bargain with them. The coaxing method is an admission of weakness and is an unfair appeal to the child's sympathy. He will soon tire of it.

\* \* \*

## Springs of the Feet

A widespread misconception about the human foot is that it contains, or is made up, of arches. In spite of this popular belief there is no such thing as an arch in the human foot and doctors point out that such procedures as putting pads in the shoes to build up the arches are based on an entirely wrong conception of the foot.

Medical authorities know that the bone structure of the foot is comparable to springs, rather than arches, and that to function efficiently, the springs must be allowed to flatten and recover properly.

\* \* \*

## Hot Stuff For Lunch Boxes

By taking a little more time, a mother may give her child a steaming hot, appetizing dish with his school lunch.

To do this the mother should select some food that can be successfully reheated and place it in a jar labelled with his name. This will be heated in a hot water bath at the school. Some suggestions for a hot dish include creamed beef, vegetable scallop, fish chowder, stew, potato scallop with sausage or bacon, beans or meat pie.

A child's health as well as his progress and interest at school may be affected by the meals he eats each day. Therefore, doctors emphasize that it is important for parents to realize that the school lunch is more than a mid-day snack; it is a mid-day meal.

One of the best ways to help the child to do his best work at school is to make sure that the mid-day meal is a good one. A good lunch should include at least one selection of meat, milk, whole wheat bread and fruit or vegetables.



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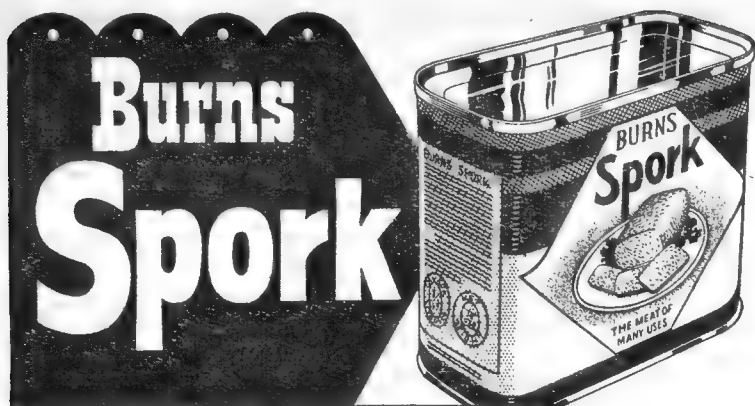
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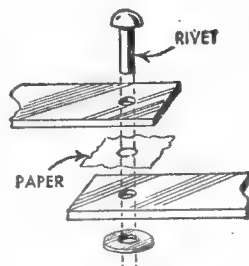
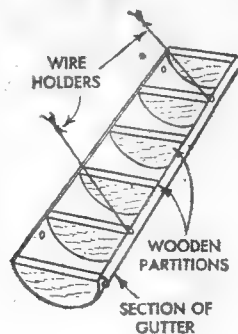


## Handy Devices

By Courtesy of the "Popular Mechanics Magazine."

### HANDY TRAY FOR SMALL PARTS FROM LENGTH OF GUTTER

HERE'S a small parts tray that is excellent for holding tiny screws, brads, washers, etc. The rounded bottom of the gutter from which it is improvised makes it easy to remove items that are difficult to pick up with the fingers. Thin wooden partitions divide the tray into separate bins which can be labeled to indicate different sizes of brads or screws. Attach the tray to a wall with pieces of wire and screw hooks as shown, or nail it to the end of a bench.



### SMOOTH-WORKING PIVOTED JOINT

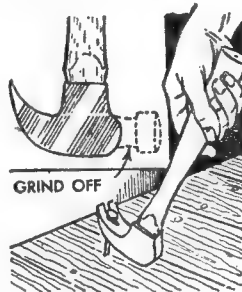
IF you wish to obtain a smooth-working pivoted joint when riveting two parts together, this may be accomplished merely by inserting a small piece of paper before riveting. After the joint is riveted, the paper is removed, allowing sufficient clearance for the parts to pivot freely.

### METAL GUARD PROTECTS TROUSER LEG WHILE STRINGING BARBED WIRE

A RECTANGULAR piece of galvanized iron bent to the curvature of your hip and thigh and extending from the waist to below the knee makes a good guard when stringing barbed wire. Holes are drilled in the top corners of the metal so that a cord can be passed through them and around the waist to hold the guard in place. Small stove bolts are spaced along the length of the guard to hold the wire at different heights. Holes may be drilled at the end of the guard to tie it to your leg.

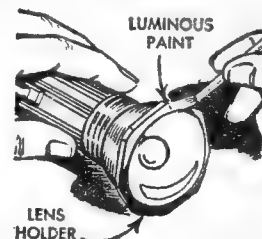


### ALTERED HAMMER HEAD SPEEDS NAIL PULLING

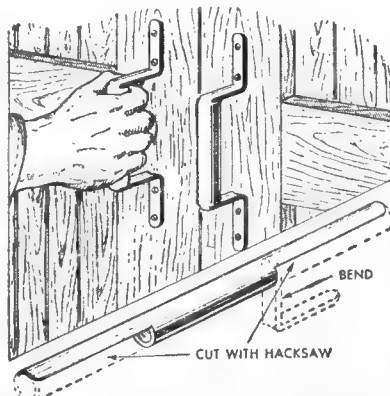


BY grinding off the neck and poll of an old claw hammer you can improvise a handy nail puller. The increased leverage afforded by the rounded head makes pulling nails easy.

### LUMINOUS PAINT APPLIED TO FLASHLIGHT AIDS FINDING IT IN DARK



MUCH time can be saved and trouble avoided when trying to find a flashlight in the dark, if luminous paint has been applied to the rim of the flashlight-lens holder. Most paint of this type will retain its luminosity for a considerable length of time. A small artist's brush may be used to apply the paint to the rim.

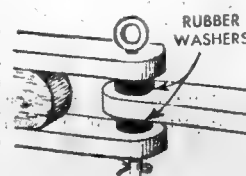


### SCRAP PIPE MAKES STURDY HANDLES FOR SHED AND BARN DOORS

EXCELLENT, inexpensive handles for the doors of barns and other out buildings can be made from lengths of pipe by sawing and bending them as shown. The finished handle has a round, comfortable grip and its size, of course, is determined by the pipe used. Holes are drilled in the flattened ends to permit fastening the handles to the door with screws.

### ELIMINATING TRAILER-HITCH RATTLE

RATTLING of the pin-type hitch between a tractor and wagon is eliminated by placing rubber washers on the clevis pin so that one is on each side of the drawbar. Suitable washers can be fashioned by making a hole through the center of two rubber shoe heels.





# Saskatchewan's Mobile Painters Are Getting Results

IN 1944 the Rural Housing Committee of Saskatchewan found by survey that some 80,000 sets of farm buildings in the Province either had never been painted or required repainting. To meet the challenge of rehabilitating these farmsteads the Department of Reconstruction and Rehabilitation embarked on a spray paint program.

The first mobile unit was organized in the spring of 1946 on an experimental basis as a training program for veterans. It was expected that by putting two or three veterans with an experienced operator they could learn

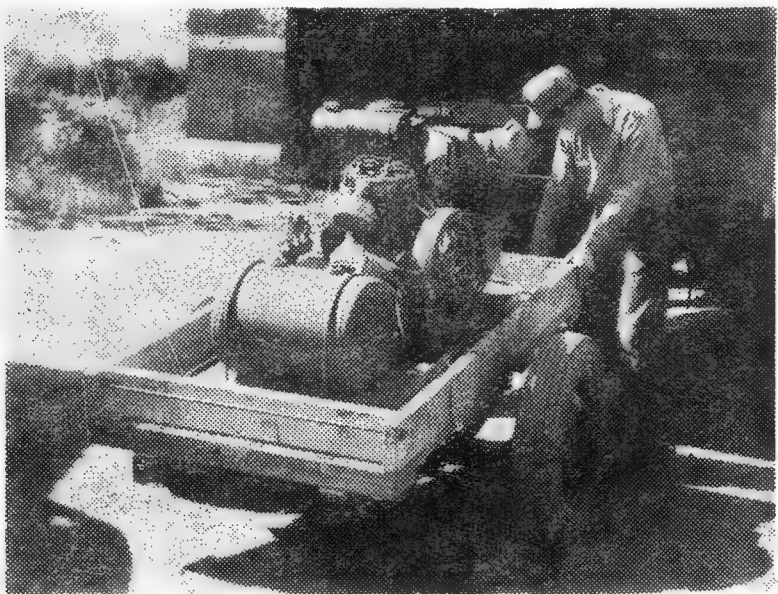
the technique and then organize units of their own. In 1947 additional equipment was obtained and two more units went into operation. Today six units are working in widely scattered rural areas.

Each unit is comprised of a spray paint machine mounted on a jeep, and a trailer with sleeping quarters for four people. Trailers are so equipped that it is possible to make meals, although the usual practice is for the crew to eat at farm homes or the nearest town. Supplies include carpenter's tools, ladders, brushes and various paraphernalia used in painting. As some buildings have to be repaired the crew does this work if the owner has been unable to get it done before the arrival of the unit. Rate of wages depends on experience. As men improve their technique and become more adept, the rate is increased.

Notice of the inauguration by the Department of Reconstruction and Rehabilitation of a spray paint program was put in various farm papers soliciting requests from farmers who wanted their buildings painted. There was a wide response from every part of Saskatchewan. A few sets of buildings were painted in as many districts as possible the first year in order to arouse interest. In addition some school buildings and departmental buildings were painted by these mobile units.

During the first two years of operation, it was impossible with the limited equipment we had and because of the shortage of paint and supplies for crews to complete more than a small

The Machine ———



——— and the Painters.



fraction of the work offered. In many cases, however, we were able to interest veterans with spray paint units of their own to take on the work. The program aroused sufficient interest to make this a profitable field of veteran rehabilitation.

During 1947 we painted 120 farm buildings, 24 other buildings in small towns and 106 suites in housing units operated by our Department for veterans.

During the present year with six mobile units operating, we have since the first of April painted 137 farm buildings, 7 former Air Force huts and 16 veterans' suites.

The program has proven very successful and a number of men are being trained. Moreover, a few well painted buildings in any community arouses the desire of other settlers to have their buildings painted. The price was set by Wartime Prices and Trade Board and costs are kept as low as compatible with a self-sustained program.

## MANITOBA BRIEFS

Hon. Ivan Schultz, Manitoba minister of health, officiated at the opening of the new \$200,000 hospital at Altona, Manitoba, last month. The hospital is designed to serve the 7,500 residents of District 24 of the Manitoba Health Plan.

At the annual meeting of the Canadian Postmasters' Association, Manitoba branch, L. G. Howard, Selkirk, was re-elected president with Donald McDonald, Ninette, vice-president.

The annual Cereal and Beekeepers' Field Day was held at the Brandon Experimental Station, July 24. Films were shown depicting the latest work of plant breeders in developing new varieties of grain.

## TRAILER SPECIAL

A limited quantity of high class two wheel trailers now available at special reduced price. Trailers equipped with 600x16 tires, springs, steel box, and ball socket hookup. Ideal to mount sprayer on, haul grain etc. Regular \$230.00.

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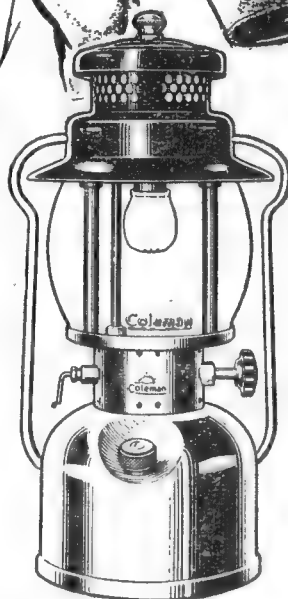
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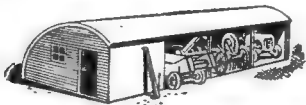
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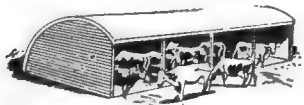
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# Breeders' Notes

## Rough Livestock Handling Causes Leather Losses

IN his talks before the recent National Livestock Loss Prevention Board of Conference, Dr. Fred O'Flaherty, director of the Tanners' Council Research Laboratory, brought out some very pertinent facts concerning losses occurring in the tanning and leather industry because of bruises, injuries and faulty management of livestock.

Dirt, filth, insanitation, and parasitism plus skin injuries all make an animal unthrifty and do immeasurable damage to the skin which reflects itself on the leather. Rough or poor feeding too, reflects itself again on the skin. When a diet is low or deficient in Vitamin A, it results in a heavy growth of cells in the hair pockets and when such skins are processed the hairs are difficult to remove.

Rough handling through use of clubs, canes and whips or over crowding and rushing of livestock in loading and in transit cause many bruises to the skin and underlying tissues. The damage shows up when the hides are salted, but the most noticeable place to see the results is in the finished leather. Except when such leather is finished in black, these bruised areas show up as a difference in color.

A sharp blow and in most cases many sharp blows, injures the fine blood vessels which nourish the skin. This causes a congested condition with no good vessels which nourish the skin. This causes a congested condition with no good mechanism for removal of the waste products of skin repair.

When the hide is removed, and salted in the course of cure, such half dead areas are already half spoiled. Such damaged areas do not tan in the normal manner and that part of the leather is poor and very weak. This is a serious loss for only too often the bruise is in the middle of the side —

the most valuable part of the hide. Also a damaged hide costs more to finish it into leather because it requires special handling and must be sold for less.—The Producer.

\*\*\*

## Rules for Stock Producers

Care in handling livestock will eliminate bruising and other damage and increase producers' profits.

Here are some suggestions on how wilful waste can be greatly curtailed:

1. Don't strike pigs, cattle, calves or lambs with sticks, canes, ropes, chains, wires, forks, shovels, feet, etc.
2. Don't bruise when loading or unloading. Have truck snug against the loading chute.
3. Don't lift animals by the tail, thus tearing and ruining valuable portions.
4. Never over-crowd in trucks, scales or shackling pens.
5. Protect from frost bites and sunburn.
6. Avoid slippery footing — use sand or straw for bedding or slippery places.
7. Don't mix pigs, calves or lambs with heavier, older, horned or fighting animals — use partitions.
8. Never pull wool or lift lambs by their wool.
9. Remove sharp nails or bolt ends and pad sharp corners which tear flesh.
10. Avoid haste and impatience.

Men who argue with women almost invariably reach the point where they just have nothing more to say. Hence the adage about women always having the last word.—WARREN HENRY GOLD-

\*\*\*

## Fred Yeabsley Is Top Calgary Winner

FRED YEABSLEY of Calgary, a breeder of purebred Jersey cattle, topped all other exhibitors at the Calgary Exhibition and Stampede livestock show with the amount of prize money won with a total of \$770.70.

J. C. Yule said that he signed cheques totalling \$16,822 in livestock prize money. Of this amount, \$10,014 was paid out to purebred cattle breeders, \$4,296 to exhibitors in the horse classes, \$1,464 to sheep breeders and \$1,048 to swine breeders.

In the heavy horse division, Hardy E. Salter of Calgary topped all other exhibitors with prize money totalling \$513. He was followed by J. L. Dunham of Fairlight, Sask., with \$474, while in third place was Haining and Sissons of Clive, Alberta, with \$444. Johnathan Fox, Jr., of Lloydminster, Sask., was fourth with \$422. C. J. Hanson of Brightview, fifth with \$370.

W. E. Latham of Bremner, Alta., won \$328, while the Union Milk Co. of Calgary earned \$329, and the Co-operative Milk Co., \$153.

In the beef cattle division, T. G. Hamilton of the Rannoch Farms, Innisfail, headed the Shorthorn breeders' list with \$355. Richardson Stock

Farms, Winnipeg, second with \$290. P. J. Rock & Son of Drumheller was third with \$277. E. J. Cammaert, Rockyford, fourth, with \$239. N. L. Latimer, Bowden, \$210, and W. L. McCollister, Dalroy, \$136.

The Earls court Farms of Lloyton, B.C., topped the Hereford division with prizes totalling \$620. W. J. Edgar of Innisfail was second with \$581, and Peter Massie & Son of Midnapore was third with \$495.

In the Aberdeen-Angus division the Riverbend Stock Farm of Benalto was first with \$385, and Melvin J. Ralston of Balzac second with \$112.

The Rockwood Farms of Norbert, Manitoba, headed the Holstein list in the dairy cattle division with prize money totalling \$495, while Pickard Clarke, Acme, was second with \$285. Lars Willumsen of Okotoks was third with \$220.

Hodgson & Borrett of Forest Lawn topped the Ayrshire division with \$571, followed by Richardson Bros. with \$430.

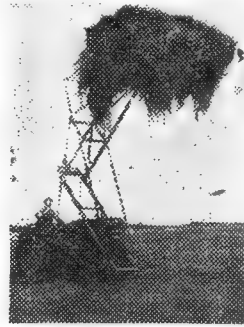
Fred Yeabsley headed the Jersey division with \$777.50, followed by Charles Dixon of Edmonton with \$355, and H. H. Longeway of Springbank with \$392.

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# All Records Are Broken At The Edmonton Exhibition

By SPECIAL CORRESPONDENT  
EDMONTON: With an attendance of 214,000 persons at the 70th annual exhibition of the Edmonton Exhibition Association, all records went by the board.

Livestock classes were well filled, farm machinery displays, road-making equipment, tractor power and motor trucks swelled to new post-war volume. There was a great variety of portable equipment operated by gas engines, such as garden-sized tractors to handle cultivating, moving or sawing.

The Agricultural Building featured native fruit displays, honey, early vegetables, plants and cut bloom, specimens of growing crops. A feature here was the One Farm Exhibit in which variety in domestic canning and curing of meats, poultry, fruit and vegetables, sheaves, etc., all scored for the individual farmer competitor. The governmental educational exhibits were here and they found brisk call for booklets and plan sheets.

## Swine Show Tops

Reminiscent of the keen pre-war competitions, the show of registered swine brought out seven purebred herds with as many as 17 individual animals competing in some classes.

Grand champion Yorkshire boar was shown by Lord Rodney, Cottesmore Farm, Fort Saskatchewan. S. W. Sheppard of Edmonton showed reserve grand champion, also junior champion boar. In sows, Sheppard had grand champion; D. M. Webster of Airdrie the reserve grand, and Rodney the junior champ. R. J. Ferguson, North Edmonton, had first junior herd, a competition in which two Manitoba exhibitors, Alfred and John Strachan, of Carman placed after champions above.

In purebred sheep, Harold Trentham of Morrin won all Hampshire championships on rams and ewes, with F. R. Haythorne of South Edmonton in the prize money too. In Suffolks, Doug. Grenville of Morrin exhibited the champion ram and ewe, A. C. B. Grenville of the same place both reserves. E. B. Williamson of South Edmonton was alone in showing Oxfords. Judge W. R. Corn of Mannville found the quality of the sheep high although numbers were low.

There was a good showing of draft horses on halter. J. F. Dupham of

Fairlight, Sask., won the Grand Display. Second went to M. E. Latam, Bremner, third to Hardy Salter of Calgary and fourth to Charles McDonald, Deloraine, Man.

## Smart Horse Classes

Grand championship for gelding went to Dunham, reserve to Burns & Son, Pickardville, Alta. Both honors on grade mares went to McDonald. In the young draft horse classes, William Fleming and Sons, Red Deer, won two firsts; F. A. Sissons, Clive, the other class.

In registered horses, Latam of Bremner had junior, senior and grand champion Belgian stallion, reserve senior mare and junior champ filly, while Hardy Salter had senior and grand champion female. Latam won the Belgian cup on the stallion, Rex de Ergot.

R. Haining of Clive showed Cornhill Refiner, Clydesdale stallion, to win the grand championship, reserve going to Bill MacDonald of Edmonton, who with Craigie's Choice won grand championship on females. Mare of Wilmer Black of Carnduff won the reserve. Lawrence and Elmer Rye, Edmonton, were winners of first on young stock, and groups of the breed.

Nonkoncar Laette, shown by Jonathan Fox, Lloydminster, was champion Percheron stallion, reserve being won by Wm. Shewchuk of Redwater. Fox also had junior female champion, while Salter's unbeaten mare, Starlight Koncarness, was senior and grand champion. The reserve grand went to a filly shown by Carl Hanson of Brightview.

The heavy horse classes were judged by Austin Brownridge of Brandon and W. A. Greenway of Acme.

## Quality Cattle Shown

Beef cattle judges were: Aberdeen-Angus, Joseph Johnston, Edmonton; Hereford, Dode Bull, of Midnapore; and Shorthorn, James Turner of Royal Oak, Vancouver Island. Dual purpose, Red Poll — T. H. Howes, Millet. The dairy cattle judges: Ayrshires, Herbert Ness, DeWinton; Holsteins, Henry Hicks, Agassiz; and Jerseys, Fred Yeabsley, Calgary.

Seven Shorthorn breeders entered their registered stock and quality was very pleasing to the new fieldman, Ernest Henderson. Richardson Stock Farm, Winnipeg, exhibited the senior champion, also the junior and grand champion bull, also the junior female, reserve senior and reserve grand female.

T. G. Hamilton of Innisfail had senior champion and grand champion cow, reserve junior heifer, and a yearling bull that was junior reserve and reserve grand. W. L. Robinson, Vermilion, had senior reserve bull. Other winners of first prizes on Shorthorns were Emile Cammaert of Rockyford and R. H. Byers of Clover Bar.

More breeders and more entries featured the Red Poll classes in which Len Anthieren of St. Albert had the senior grand champion bull. George Wilkinson of Portage la Prairie, showed the junior and reserve grand bull, also junior champion heifer. Antoine Grenier, St. Albert, exhibited the senior and grand champion cow, also reserve junior bull. The reserve senior heifer which was reserve grand, was shown by Atkinson Bros. of St. Albert, while a heifer calf from the same place, shown by Bert Sumner, was reserve junior.

Quality was not lacking in the Ayrshires although but two herds competed. Richardson Bros. of Red Deer

won seven of the championship classes including grand on bull and female. Hodgson and Borrett, Forest Lawn, Alta., won the other five medallions in the honor classes.

Six herds competed in Holstein competition. Rockwood Holsteins of St. Norbert, Man., won eight of the medallions including both grands. The bull shown by R. C. Briggs, South Edmonton, was senior reserve, while his junior yearling heifer was the junior champion and reserve grand. H. L. Ahrens of Red Deer showed reserve senior female. Prize winners included R. Ritchie, South Edmonton, and C. S. Wiseman of Galahad.

Nine championships, including both grands went to Jerseys shown by Charles Dixon and Sons, St. Albert, whose 20 prizes included eleven firsts. J. W. Ward of Birch Hills, Sask., showed the reserve senior, reserve grand bull and junior champion female. C. D. & D. J. Enman of Wetaskiwin, got into the prize money in several classes.

Both grand championships and most other top awards were won by Roy Ballhorn of Wetaskiwin in the Aberdeen-Angus showing, while Jack McBride of Benalto shared the prize money and showed reserve senior cow and the senior champion heifer.

For a northern show, Herefords were out in force at Edmonton. The Earls court Farms of Lytton, B.C., won senior and grands on both sexes, also junior on heifer. W. J. Edgar of Innisfail won reserves on junior and

senior bulls of the white-faced breed. G. R. Bar Hereford Ranch, Pincher Creek, had senior reserve cow which was reserve grand female. Jack Paul, Okotoks breeder, showed the reserve junior female. Junior champion yearling bull of his breeding, shown by W. D. Smith, Olds, was reserve grand. Other prize winners with Herefords included Ed. Hehr, of Midnapore; Lougheed Bros., of Bowden, Tatlock Bros. of Bentley; Charles Kallal and J. H. Brown of Tofield.

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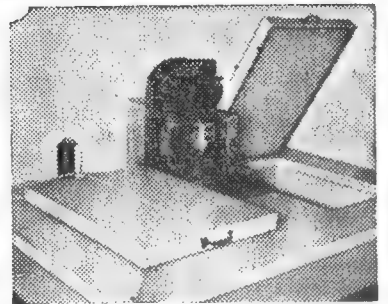
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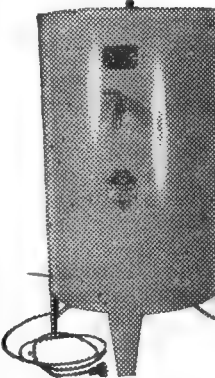


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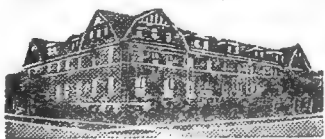
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## Choosing The Right Rouge



Courtesy Yardley

A good trick when applying cream rouge is to blend a little with your make-up base on the palm of your hand.

By HELEN FOLLETT

IT seems now anyhow that's what some beauticians say, that to limit oneself to a single shade of rouge is provincial.

If you have been using the same old compact for a long time, don't take this statement too much to heart. They may be mistaken because it is possible that a certain shade is precisely the right touch for your skin, your hair and your eyes. But, let's consider the idea.

It is true that, for evening wear the commercial blush and the lipstick can be stronger, more vivid. The reason? Electric lights drain the natural coloring from the skin. Delicate shades of rouge are in order during the summer season because no girls want to look feverish, and light shades are cooler. Delicate tones go hand in hand with summer frocks, while damask tints are glorious with velvets and furs of the winter time.

### Facial Decorating

There is something in the idea that the color of the frock takes a hand in facial decorating. You couldn't very well tint your cheeks and lips with orange-red if your new frock is a blue red. That would be plain crazy. It looks as if we may have to buy rouge compacts in assorted lots of one-half dozen if we are to be top-notchers among the make-up-makers. It is an interesting subject because decorating the feminine portrait classifies a woman to a certain extent.

The art of make-up consists of many details at which women are be-

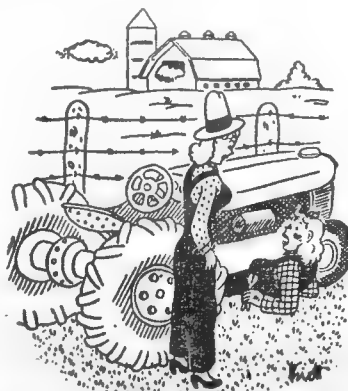
coming more and more expert and familiar.

### Rule for Rouge

The old rule about rouge was this, strive to find one that comes closest to your natural bloom. But what if you haven't any coloring at all? There is a way to find out. Slap your cheeks briskly. But if you do that before a cosmetic counter, what then? Always something baffling comes up.

Go to a cosmetic bar and experiment. An attendant will contribute first aid to you in your state of confusion.

As to application, one trick you might like to try is to blend a little cream rouge with your make-up base before using. Do this on the palm of one hand; apply with fourth finger of the other.



"Gimme" another hairpin, Marge."

## Country Diary

SUDDENLY, so it seems, we find we are on the threshold of Autumn, even while Summer attends to the ripening of harvest the first traces of Autumn are advancing stealthily, foot by measured foot. The almost-ripened grain is only waiting for the sun to add the final mellowing touch.

August is one of the between-season months when we must sadly bid farewell to the enchantments of summer with its long, bright days of growth crowned with gorgeous sunsets, its warm, half-lit nights, its colorful flower-beds. Now the shadows are longer and deeper and the birds are not so early astir, so that there is a quietness after dawn contrasting with the sweet floods of song that greeted the new day a fortnight ago. The light of the early morning is different, for as the sun's rays diffuse the greyness in the east, they are noticeably lower and the tawny fields become enveloped in a rusty shimmer that changes to a heat haze in an hour or so. This haze hangs in the air till afternoon. Everything is very still, there is very little breeze and blue smoke drifts lazily upward, the eternal sign of human existence.

It is the law of the universe that the sun must retreat, but it gives ground reluctantly, conceding only inch by inch, spreading out its thinning warmth every day to drive back Autumn's messengers. Inevitably there will be the shadow of frost and chilly winds, falling leaves, as the heralds of Autumn draw near.

Summer's lingering flowers are too beautiful to pass with only a casual glance or word. Amongst the tall, browned grass are blue hare-bells, the color of quiet skies, holding their dainty heads on thread-like stalks, so fine that the least wind bends and sways them. The hare-bell is Scotland's adored blue-bell, so honored in national song. The amethystine heads of thistles stand erect and sturdy, thriving in their adopted soil. A compatriot of the blue-bell the thistle is a belligerent flower, knowing well how to protect itself and those who live with it, according to tradition. Goldenrod and aster, side by side, make the August scene beautiful. Pheasants and quail leave their wild, dry shelters and venture into gardens for sustenance planted by the enemy, man, their cleverness in contriving a free meal outwitted by their own rustling in the brittle corn stalks.

The warm August sun beating down from a sky faintly streaked with wisps of semi-transparent clouds, brings a mingled fragrance of ripening wheat and clover, the pungent tang of wild mint in the new-filled hayloft. After the trials of a late, difficult spring beset with fearsome dreads of too-much, too-little moisture, the battle of weeds and grasshoppers, here is something to bring contentment to the heart of the country dweller well-used to the scene, or to the casual wayfarer. Despite the world's alarms, it is a cheering time. The sower went forth to sow and now looks at what may be reaped in field and garden.

□ □ □

Blessed is he who expects nothing, for he shall never be disappointed. — ALEXANDER POPE.



# Where Does the Time Go?

By CLARA CLINE THOMPSON

HAVE you ever wondered where all the time goes? If you have, waste a bit more and really find out. I have this day. This morning I thought I would get so much done, the menfolk were absent, and I had the idea that here was a day I had been looking forward to for a long time. One in which I could really accomplish a great deal, not having to take time out to cook dinner or supper.

I got the bread mixed early, not a large batch, for in the summer time I would rather bake more often, despite the heat, and have good fresh bread. After I had set it away to rise, I tidied up the house and went for a stroll through the garden, a habit I can't get away from. I learned that in a few days I would have beans and peas to can. A pleasant thought because there is nothing that gives me a bigger thrill than to visualize my cellar shelves full for the winter.

As I went back into the house I suddenly remembered the box of ruby red rhubarb which my sister had sent yesterday and the thought sent me scurrying down the cellar to bring up the necessary jars to put it in. Taking the rhubarb into the pantry I stood at the sink snipping the ends from it and listening to its crisp snap, and looking out the window above the sink I noticed that the field of flax which belonged to a neighbor just across the road, was in full bloom. Have you ever seen a large field of flax in blossom? Ah, it is like a sea of lovely blue flowers and I could not resist the call. Taking my hat from the peg in the shed I went across the road and stood watching the flax as it waved and bowed in the gentle breeze for quite a while.

As I started to get back to my canning rhubarb I noticed that a patch of wild roses had burst into bloom and I tarried just long enough to pluck a few for the table. They are late this year but just as beautiful nevertheless, and I guess I did gather more than I intended to for there were three vases full when I had put them in water.

Well, I finally got the rhubarb in the cooker, and by that time the bread was clamoring for attention, so I punched it down before going to feed Betsy, the pig, and her litter of young ones. The sun was getting rather high by now, and I was struck by the thought that if I were going to get anything done today I would certainly have to get busy. But the best laid plans of mice and women often go astray for I found that Betsy had broken from the pen and was clammy grazing in the wheat as if it were her rightful lot. Furthermore Betsy had a notion she could stay there if she was a bit stubborn, and it took a good hour of coaxing, chasing, pleading and finally poking to get her back into the pen. But all's well that ends well and at last I had her at the trough, drawing in big gurgles of cold water. She looked at me and I could have sworn that she actually winked, as though it had been in fun, every bit of it.

I really must hurry. Dear me, the hours were ticking by very fast. I went back to the house and the rhubarb was done and it took a few moments to get it out of the cooker and the jars all tightened as they should be and turned upside down on the table. There that bread was again. And it insisted on getting taller and taller so I greased the pans and made it into loaves. Brushing the tops with a little melted butter. There was a fair-sized chunk of dough left over so

I fashioned it into cinnamon rolls and set them away to double in bulk.

The fire was down so I brought an armful of kindling from the shed, dreaming of the day when I have an oil-burner, and got that going. As the fire got going the sun rose higher and higher, and the combined efforts of the sun and the stove made the kitchen anything but cool. But I didn't want to waste the heat so I mixed up a pudding to bake while the bread was getting ready to pop into the oven. The pudding to bake I decided it would be just as well if I washed up the odd dishes, so that chore took a few minutes.

Well, anyway I argued with my very own self, the afternoon is long, I can get the curtains that I washed yesterday, ironed and hung, the floors in the bedrooms washed and waxed and maybe run up the seams on the dress I cut out a few days ago.

About noon I made a cup of tea and decided that eating alone was not the happy affair some folks make out it is, and I wasn't hungry. Give me a full table every meal if you want to enjoy eating. But the tea was satisfying. And by now I had taken the bread and rolls from the oven and the house was beginning to cool down.

I got the floors washed and waxed and started the gas iron to iron the curtains. Just about that time a neighbor called to ask if I'd seen anything of his cows which had run off. Of course one doesn't say "yes" or "no" and get back to work. We talked a while, about the crops and the prospects of them finishing up as good as they looked, and the situation in Russia, and the price of wheat and flax. Even talking takes time and I turned the iron off as it was getting too terribly hot. After a while the neighbor went on his way and I finally got the curtains ironed and hung. Well, things were certainly perking up. Maybe I would get to that dress. A look at the clock and my spirits fell. It was time to feed Betsy again and this time I was sure she winked at me. This time it seemed to say, "I told you so." While outside I might as well gather the eggs so in a moment that was done. I filled the little box with kindling from the woodpile and brought it to the shed. And the gas lamps needed filling so that was

attended to in just a jiffy. None of my tasks take much time, there are just so many of them.

The sun had begun to get lower in the west. It was going down in fierce glory, but it had cooled off some. I brought a pail of fresh water for lemonade when the family got home and somehow I couldn't resist taking a few seconds to watch the sunset. There is that time of day when folks who wrote must ponder and I sat on the steps and did just that. Well, I certainly hadn't got much done. Not a stitch on that dress. Oh, well there's always another day and if there wasn't I wouldn't need the dress anyway. The thing that bothered me was "where, oh, where does the time go?"

□ □ □

## Darning Hint

When darning woollen socks or stockings, use wool for the up and down stitches and lisle thread for the crossway ones. The darn will last about three times as long as an all-wool one. Another method is to thread your needle with one wool and one lisle thread, and then darn as usual.

## Dishpan Philosopher

NEWSPAPERS are, beyond a doubt, one thing I'd hate to do without. A radio is well enough but passes up a lot of stuff. A rambling fifteen-minute spiel for me holds little of appeal. I like my paper where the news is spread for me to pick and choose. Besides I'm always keen to read, though some folks give them little heed, the open letters to the press. Their writers get so mad I guess they have their little say, and — I read them every day. Sports, comics, social do's and such don't interest me so very much.

But all to their own taste, of course. And so good editors perforce besides the news print all they can to please the so-called common man. And whatsoever change there be I hope newspapers outlive me.



KDA

## WHY ARE MANY WOMEN NERVOUS ... without reason?

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Keep a generous supply handy on the shelf. It will stay full-strength, as fast acting as the day you bought it. Get Fleischmann's Royal Fast Rising Dry Yeast today. At your grocer's.



### POTATO CHEESE SOUFFLE

- 2 cups mashed potatoes
- 1 cup grated cheese
- 2 egg yolks
- 1/3 cup milk
- 2 tablespoons melted fat
- 1/2 teaspoon salt
- 1/4 teaspoon pepper
- 1/8 teaspoon mustard
- 2 egg whites

Mix grated cheese thoroughly with potato. Beat egg yolks until thick and lemon colored and combine with milk, melted fat and seasonings. Add to the potato mixture and beat smooth. Fold in stiffly egg whites. Turn into a well-greased baking dish, set in a pan of hot water and oven-poach in a moderate oven, 350° F., until set, about 40 minutes. Yield: six servings.

### CHINESE PIE

- 1 1/2 lbs. lean lamb, veal or beef . . .
- Shoulder, shank, neck or flank.
- 1 teaspoon salt
- Pepper to taste
- 2 tablespoons flour
- 3 tablespoons fat
- 1 onion, sliced
- 3 cups water
- 3 cups carrots, sliced
- 1 cup peas
- 3 cups seasoned, fluffy mashed potatoes

Cut meat into one-inch cubes. Sprinkle with salt and pepper, roll in flour and brown in hot fat. Add onion and cover with the water. Simmer 1 1/2 hours or until meat is almost tender, then add carrots and continue cooking until meat and carrots are tender. If stew is not thick enough, blend in additional flour, mixed with a little water. Season, add peas and place in a casserole. Cover with the

mashed potatoes. Bake in a hot oven, 400° F., about 10-12 minutes until topping is puffed and golden brown. Yield: six servings.

### SPICE-BERRY CAKE

- 2/3 cup shortening
- 1 cup brown sugar
- 2 eggs
- 3 cups sifted pastry flour
- 1/2 teaspoon soda
- 3 teaspoons baking powder
- 1/2 teaspoon salt
- 1 1/2 teaspoons cinnamon
- 1/2 teaspoon nutmeg
- 2/3 cup milk
- 1 cup raspberries

Cream shortening with brown sugar. Add unbeaten eggs, one at a time, beating well after each addition. Sift flour, soda, baking powder, salt and spices. Add alternately with the milk to the creamed mixture. Fold in berries. Pour into 2 greased 9" cake pans. Bake in a moderate oven 350° F., 35-40 minutes. Cool. Spread berry icing between layers and on top.

### BERRY ICING

- 1/2 cup fresh raspberries
- 2 cups icing sugar
- 1 tablespoon melted butter

Crush berries, add sugar, beating well. Then add melted butter. Beat until smooth and fluffy.

### DATE LOAF

- 1 cup brown sugar
- 1 egg (beaten)
- 1 tsp. soda in milk
- 1 cup chopped walnuts
- Butter, size of walnut
- 1 cup sour milk
- 2 cups flour
- 2 cups pitted dates, chopped

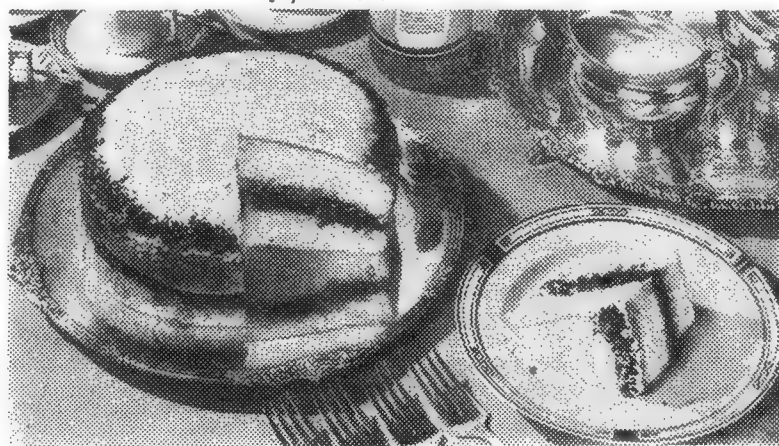
Combine all ingredients, adding dates and walnuts last. Bake in moderate oven 3/4 to 1 hour, in loaf pan.

□ □ □

*The trouble with Napoleon was that he tried to do too much, and did it.—ARTEMUS WARD.*

### CHOCOLATE CREAM CAKE

By LOUISE PRICE BELL



(two eight-inch layers)

- 1 3/4 cups cake flour
- 2 tsp. baking powder
- 1/2 tsp. salt
- 1/2 cup shortening
- 1/3 cup sugar
- 1 cup light syrup
- 2 eggs — well beaten
- 1/2 cup milk
- 3/4 tsp. vanilla
- 1/4 tsp. almond

Sift flour, measure and sift again with baking powder and salt. Cream shortening, add sugar gradually, blend in syrup slowly, beating after each addition. Add well-beaten eggs in four portions, blending well. Add milk and extracts alternately with dry ingredients, beat after each addition. Pour into two well-greased layer pans and bake in moderate hot oven (375° F) for 25 minutes. Turn onto rack and cool, then put together with the chocolate cream filling and ice top with confections sugar icing.

### Filling

- 1/2 cup sugar
- 3 tblsp. flour
- 1/4 tsp. salt — mixed in top of double boiler

Add 1 1/4 cups milk and stir till smooth, then add two ounces (squares) of grated unsweetened chocolate and cook until mixture thickens. Cover and cook ten minutes longer, then add one beaten egg, two tblsp. fat and 1 tsp. vanilla. Stir two minutes more, then cool and spread.



# AUNT SAL SUGGESTS

*When we learn a handy hint, let's pass it on;  
When we hear some saving stint,  
let's pass it on;  
We can find them everywhere . . .  
one hint here and one hint there.  
With our neighbors we should  
share . . . let's pass them on.*

. . . "Of course we should pass on all worthwhile ideas," most women exclaim. But there really are women who hug their ideas and pet recipes as closely as if guarding an atom bomb formula. How silly! And how down right selfish.

. . . As I write this column to you good rural friends the popular fruits, oranges and lemons are rather hard to get at the stores. I do hope that this condition doesn't continue all through the summer months for what a boon they are to the family food picture. Especially lemons. There's something about the sharp flavor of lemons that makes summer days cooler. I'll bet lots of you have adopted that habit of having a jar of lemon syrup on hand in the ice box for lemon drinks.

Another thing I like to have handy in the ice box is a roll of cookie batter chilled and ready to slice and bake. I've mentioned this so many times, but in case you haven't fallen for the idea yet, I'll risk your impatience and mention it once more.

But whereas I go in mostly for overnight sliced cookies, I have a friend who makes delicious drop cookies days ahead of baking time. She simply packs the cookie dough firmly into a bowl and keeps it closely covered until needed. I think I'd better give you her drop cookie recipe for it is a Jim dandy and so simple too.

## Brown Sugar Cookies

BROWN SUGAR COOKIES is their very simple name and here's how you toss 'em together: One cup shortening, one cup brown sugar, 1 tsp. vanilla, one egg yolk (unbeaten), 1 3/4 cups sifted all purpose flour, 1/2 tsp. baking powder, 1 cup finely chopped nuts . . . I'm not going to bother to give you the method for you just follow the order given. Of course these can be baked right away but they can also be left to chill and bake at a later date.

I notice in checking over the ingredients above that 'vanilla' is the flavoring chosen but you can substitute others. In fact I think it's a fine idea to give our families a change sometimes. The other day a neighbor remarked how 'sick to death' she got of vanilla and some of the experiments she'd been making on other flavors. One she especially liked was almond with chocolate . . . either in a cake or cookies. That was a new one on me. I've always liked almond with cherry . . . really does accent the cherry zip . . . now I must get acquainted with almond and chocolate.

Those of you who live in localities that use coal and wood all year round and spell it off with a gasoline stove in summer, are in the same boat as I am. It took me a long time to conquer my fear of gasoline. An old bachelor neighbor once consoled me by saying, "It's those who are afraid of the stuff that have the fewest accidents". But I think I heard it summed up best by a garageman lately. His verdict was, 'gasoline is fine as long as you respect it'. Isn't that very true?

There are a number of other things we should learn to respect and all would be better. Sunshine for instance. Adults who have skin that sunburns easily should know better

than to take their sunbathing in large doses, but when mothers permit, even urge their little youngsters to get themselves blistered, it makes me good and mad! For there are few things more painful than a bad sunburn.

Our stores are becoming so well stocked with so many things again that we've almost forgotten about the many ordinary items that we could not get during the war years. Remember when we couldn't get sponges of any kind. They really have lots of uses 'round the house (besides washing one's face). I always liked to keep one close at hand when ironing. Especially in hot weather when the clothes dry out so quickly. Have a bowl of tepid water near by and dip the sponge into it to give a quick sprinkling. Lately I heard of a similar use for the sponge on ironing day. In this case one dipped the sponge into starch, then let dry. When ironing time came you simply dipped the starched sponge into a bowl of water and applied to the parts where stiffness was needed. (Now I haven't tried this out but it sounds feasible).

And here's another cute laundering trick I've always meant to test some hot summer's day. Mrs. Brown (who gave me the idea swears by it). When the clothes are ready to bring in from the lines, she brings in the rough things first, folds and puts them away. Then (there's where the novelty starts) she turns the hose with a fine spray onto the clothes while hanging on the lines, brings them in and rolls up ready for ironing. Mrs. B. doesn't say so, but I fancy the best costume for this job is a bathing suit don't you?

Why is it that folks who indulge in a black coffee and toast breakfast so often assume such a self righteous air while doing so? Shucks! chances are they make up for the food deficiency later on in the day. I read a very learned article this month on food consumption and the way it affects us and lo and behold I learned that its the food that we eat late in the day that forms that spare tire round our middles. It gave me food for thought for I might as well admit I've always belonged to the 'light breakfast group' yet I seemed to stay plump in spite of it. Maybe I'd better do my dieting after 6 p.m. No bedtime snacks for me from now on!

Each summer a whole new batch of brides join the ranks of the homemakers. What a lot of advice the poor young things have handed to them. Much of it is good (if they ever follow it); and some of it is tommyrot. To my way of thinking heres's a potent piece of wisdom for new cooks. It runs: 'Every bride needs two measuring cups, a set of measuring spoons, a good cook book and a sense of humor'. Seems to me the sequel of this should run, 'Every groom needs a good staunch digestive system, a lot of patience and tolerance and a sense of humor' . . . (Why should the bride be supposed to have all the necessary equipment?)

So often I have spoken of a good cook book being an ideal gift for every new bride. There are such wonderful cook books to be had in the stores these days. Most of these have reference lists regarding relative measurements of cooking ingredients. Any cook who has not got such lists should lose no time in collecting a list. Did you know that rice expands four times its size when cooking? One pound of cheese grates up to four cups? A quart of milk measures five cups? A pound of butter equals two cups? White sugar takes almost 2 1/4

cups to the pound and brown sugar almost 3 cups? And one square of unsweetened chocolate is equal to 3 tablespoons cocoa plus one tablespoon of shortening? . . . (Now it's your turn to ask me a few questions and let me show my ignorance).

Women don't know all the smart tricks in the world; their husbands know a few too. I spent some hours out in my husband's workshop the other evening watching him painting my new book shelves. And I learned that unpainted wood needs a coat of shellac first before the paint is applied. Seems that shellac is being used for a lot of things lately, or maybe it's just been coming into my particular line of vision. A lady who does a lot of this plaster of paris work says she puts a coat of shellac on the plaques before painting them. (So hie you down to the hardware store and get yourself some shellac).

I read this pointed headline in a newspaper the other day: 'Cottages are made for fun, not work'. It made me wish I were a cottage. But alas I resemble a back porch far more, and that's the way I came in and I remembered to close the screen door too. So by bye for now . . . and every good wish.

□ □ □

Keep soda or salt handy in the kitchen to put out grease fires in broilers and pans.

## Check Your Needle

Homemakers who sew at home should remember to check the machine needle "before you start any dressmaking or stitching job."

Too often we overlook the fact that perfect stitching requires a needle that is perfectly straight, that has a smooth eye and a sharp point. When a needle has been bent or blunted, as often happens in sewing, throw it away. A crooked needle skips stitches, a rough edged eye frays and breaks thread, and a blunt point puckers or snags the fabric.

Remember that the needle also should be the right size for the thread, just as the thread should be the right weight for the fabric. Too coarse a needle leaves noticeable holes in the fabric which spoils the looks of the stitching. Too fine an eye wears out a heavy thread. Home sewers should check the instruction book which comes with sewing machines for the size needle to use with different weights of thread.

As a final reminder, pass the end of the thread through the eye from the grooved side when threading the machine needle. Then when the needle goes down into the plate underneath, the thread lies in this long groove and does not catch or break.

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dirt and stains, Old Dutch gives you a special, fast cleaning action no other material has. But discover for yourself what thousands of tests have proved—Old Dutch is fastest, easiest by far of all leading cleansers!

MADE IN CANADA

# Preparing Food For Home-Freezer Storage

(Courtesy of Popular Mechanics)

WHILE prompt handling has much to do with success in storing foods in home freezers, it's equally important that you know how to process and, especially, package them to retain as much of the flavor and nutritive value as possible. Generally, the right time to prepare fruits and vegetables is when they are ready for immediate table use. They should be gathered in the early morning before they absorb the day's sun and should be processed and frozen with as little delay as possible. Loss of vitamin value occurs rapidly at room temperature, and holding products over to the following day should be avoided—especially after shelling, scalding or cutting. It should be remembered that freezing does not necessarily sterilize the product. Consequently, it is important that all utensils as well as the hands be thoroughly clean before preparing the food.

In most cases, a storage temperature of 0 deg. F. will give satisfactory results when just a few packages of food are to be frozen at one time. Large amounts will require a lower temperature of — 10 deg. F., although it's best not to try to freeze too many packages at once. As it is not as cold near the top of the freezer, always check the temperature at this point. A periodic check should be made to detect possible power failure or mechanical breakdown. Should such an event occur, little thawing will take place during the first 15 - 20 hours. After this time it is best, if possible, to move the food to a locker plant or use dry ice to prevent excessive thawing until freezing is resumed. As a precaution against lowering the temperature too greatly, use dry ice sparingly. The length of time that products may be stored depends upon the temperature maintained. At 0 deg. F. fruits and vegetables may be stored 10 - 12 months, while at 5 deg. F. the period is shortened to 8 - 10 months. In the case of meat, much is dependent upon the length of time it is held prior to freezing. Beef requires at least 4 or 5 days in a cool place for aging before it is cut up and packaged. Lamb, pork and veal should be frozen as soon as it is thoroughly chilled. Pork, especially, should be kept at a low temperature as it oxidizes easily and becomes rancid at higher temperatures. Dipping pork cuts quickly in hot lard will seal them and help prevent drying out during storage. Frozen meats should always be thawed thoroughly before cooking, especially large roasts, otherwise the meat will not cook uniformly.

The importance of doing a thorough and careful job of packaging cannot be over-emphasized. The wrapping material used not only must protect the food from loss of moisture, but

also must prevent transfer of odors. Ordinary waxed paper is not sufficiently moistureproof to package meat satisfactorily. In addition to special moistureproof paper for wrapping frozen foods, there are Cellophane, Pliofilm and rubber-latex bags which provide excellent protection. Present recommendations are that the size of the packages should not exceed 2 lbs. per package for fruits and vegetables and a package weight of 5 lbs. for chilled meats is about right. Roasts and other cuts of meat should be wrapped tightly to make them as airtight as possible and securely sealed with cellulose tape or tied with twine. Two separate wrappings, of course, are better than one. An outer covering of mesh cloth known as a stockinette will serve to protect the wrapping. Small cuts of meat are stored best in containers lined with moistureproof paper. To exclude as much air as possible, containers should be packed to the very top. Vegetable and fruit juices must have room for expansion. Containers most commonly recommended for storing fruits and vegetables are heavily waxed cylindrical and square cartons, "bag-in-box" types and special moisture and vapor-resistant bags of Cellophane. In filling Cellophane bags the tops must be kept clean for later heat-sealing. This can be done with a household iron, or a

curling iron if not too hot. There is less moisture loss with a double bag than a single one.

In blanching, or scalding, the vegetables are placed in a wire basket and lowered into boiling water for the required time as given in the table on this page. They are chilled immediately afterward in running water 50 deg. F. and packed for storing. Fruits require a covering of syrup prepared according to the table herewith. The syrup should cover the fruit completely.

It's best to prepare poultry during the colder months as it is difficult otherwise to cool it properly before freezing. Unlike meat, poultry is more tricky to prepare because chickens, ducks and turkeys have a soft layer of fat directly beneath the skin that oxidizes quickly. It also is difficult to package the whole fowl because of the awkward shape which hampers wrapping it snugly. A stockinette, if available, helps to solve this problem, but it is recommended that the bird be cut up into smaller sections and each of these wrapped individually. As is true with meat, poultry never should be thawed for cooking by placing in water. Allow it to thaw gradually while in the package at room temperature.

## Preparation of Syrup for Freezing Fruits

Dissolve the sugar in boiling water or mix the syrup with boiling water; cool to room temperature.

50-per cent syrup: 2½ cups sugar per pint of water; 3 cups water to 4 cups crystal white corn syrup; 3½ cups water to 4 cups high-grade confectioners' corn syrup.

60-per cent syrup: 3½ cups sugar per pint of water; 1½ cups water to 4 cups crystal white corn syrup; 2 cups water to 4 cups high-grade confectioners' corn syrup.

65-per cent syrup: 4½ cups sugar per pint of water; ½ cup water to 4 cups crystal white corn syrup; 1½ cups water to 4 cups high-grade confectioners' corn syrup.

70-per cent syrup: 5½ cups sugar per pint of water; ¼ cup water to 4 cups crystal white corn syrup; 1 cup water to 4 cups high-grade confectioners' corn syrup.

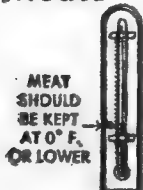
## A GUIDE FOR FREEZING FRUITS AND VEGETABLES

Product	Maturity Desired	Preparation	Boiling Water	Scalding	Steam	Type of Pack
Asparagus	Tender tips best	Trim, wash and discard all but upper 5 inches	Small stalks: 3 min. Large stalks: 4 min.	3½ min.* 4½ min.*		Without brine
Lima beans—bush or pole	Green beans best	Shell	Medium beans: 1½ min.* Large beans: 2 min.* Small beans: 1 min.*	2½ min. 3 min. 2 min.		Without brine
Soy beans	Green beans best	Scald pods, shell	2 min.*	3 min.		Without brine
Snap beans	Small beans best	Snip; cut into ¾-inch lengths	2 min.*	3 min.		Without brine
Beets	Young and tender	Cut off tops; mature beets should be cooked, then rub off peels; slice	1½ inches in diameter: 2½ min. Over 1½ inches: cook until tender	3½ min.* Cook until tender		Without brine
Peas	Sweet and not starchy	Shell, discard starchy peas	Small peas: 45 sec.* Large peas: 1 min.*	1½ min. 2 min.		Without brine
Sweet corn on cob	Before starchiness develops	Husk; don't use immature and overmature ears	Small ears: 6 min. Medium ears: 8½ min. Large ears: 10½ min.	6½ min.* 8½ min.* 10½ min.*		Without brine
Sweet corn, cut	Before starchiness develops	Scald on cob as directed above, cool, then cut off whole kernels; or cut whole kernels from cob, then scald	Not recommended	2½ min.*		Without brine
Swiss chard	Small leaves best	Cut off and discard main stem	2 min.*	3 min.		Without brine
Apples	Fully mature	Peel, slice in 12ths	Not recommended	1½ min.; cool		Dry (no sugar or syrup) 4 or 5 pounds fruit to 1 pound sugar
Blueberries	Fully ripe	Stem, wash, crush slightly	Not recommended	Not recommended		3 pounds fruit to 1 pound sugar
Cherries, sour	Fully ripe	Wash, chill, pit	Not recommended	Not recommended		3 pounds berries to 1 pound sugar
Gooseberries	Fully ripe	Stem, wash, crush slightly	Not recommended	Not recommended		Cover with 60 or 70 per cent syrup**
Peaches	Fully ripe	Peel, pit, slice	Not recommended	Not recommended		Cover immediately with 60 or 70 per cent sugar syrup**
Pears	Fully ripe	Peel, core, quarter	Not recommended	Not recommended		Cover immediately with 60 or 70 per cent sugar syrup**
Plums	Fully ripe	Wash, pit, quarter	Not recommended	Not recommended		Cover immediately with 60 or 70 per cent sugar syrup**
Prunes	Fully ripe	Wash, pit, quarter	Not recommended	Not recommended		4 or 5 pounds crushed berries to 1 pound sugar; cover whole ones with 50 or 65 per cent sugar syrup**
Raspberries	Fully ripe	Sort, wash in ice water, hull; crush or leave whole	Not recommended	Not recommended		4 or 5 pounds sliced berries to 1 pound sugar; cover whole berries with 50 or 65 per cent sugar syrup**
Strawberries	Fully ripe	Sort, wash in ice water, hull and slice one quarter inch thick or leave whole	Not recommended	Not recommended		

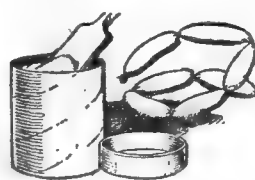
\*\*For preparing syrup see table.

\*Indicates preferred method.

### Meats



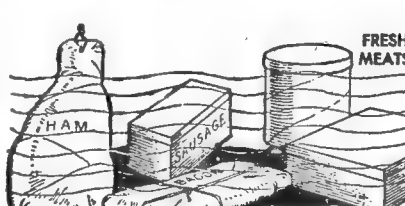
MEAT SHOULD BE KEPT AT 0° F. OR LOWER



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CARTONS FOR MEAT SHOULD BE LINED WITH MOISTURE-PROOF VEGETABLE PARCHMENT PAPERS



SMOKED MEAT WILL IMPART FLAVOR TO FRESH MEAT IF STORED CLOSE TO IT

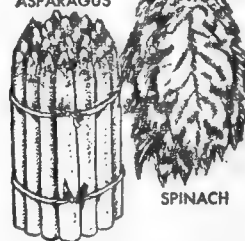
### FRESH MEATS

### THESE ITEMS REQUIRE SPECIAL CARE

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#### ASPARAGUS



SPINACH

#### BANANAS



PEARS



CORN ON THE COB

### Poultry



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... THEN WRAP INDIVIDUALLY IN MOISTURE-PROOF PAPER AND PACK IN CARTON



IF STORED WHOLE, STOCKINETTES WILL KEEP THE MOISTURE-PROOF PAPER CLOSE TO THE FLESH



## COFFEE IS VERSATILE

By LOUISE PRICE BELL

Although breakfast "just isn't breakfast without coffee", there are many other uses to which this versatile beverage can be put . . . and all of them make meal planning interesting. Left-over coffee can often be used for making icings, for iced coffee, and for flavoring fruit drinks. And here are some recipes that you'll enjoy using, if your family like coffee-flavor; and most families do.



### COFFEE MARSHMALLOW FLUFF

3 cups double-strength coffee      1½ cups marshmallow fluff

Combine warm coffee (left-over coffee can be used for this) with the marshmallow fluff, beat or shake until well blended, then pour over ice in glasses for a refreshing warm weather drink.

### COFFEE SAUCE

2 tblsp. cornstarch      ¼ tsp. salt  
½ cup water      ½ cup double-strength coffee  
½ cup light syrup      1 tblsp. table fat

Combine cornstarch, water, syrup and salt. Cook over low heat, stirring constantly until mixture is clear and thickened. Add coffee and table fat.

This is excellent served over gingerbread, or steamed pudding, or steamed stale cake. Decorate pieces of dessert with nuts, if you wish.

### MOCHA PUNCH

Chocolate and coffee flavors blend beautifully and are popular with most people. Here, then, is a delicious beverage in which these flavors are combined. And it's perfect to serve on a very warm day.

4 cups double-strength coffee —      ¾ cup heavy cream  
chilled      ¼ tsp. almond extract  
1½ pints chocolate ice cream

Place one-half of ice-cream in bowl, add chilled coffee and stir until ice-cream is partially melted. Whip cream and add flavoring. Place one scoop of ice cream in each glass, pour punch mixture over this. . . top with whipped cream.

### COFFEE CUSTARD FILLING

This is a grand filling to use between layers of your favorite cake or for the often-called "Washington Cream Pie". Here's how you make it.

½ cup double-strength coffee      ½ cup additional milk  
1 cup milk      1 tblsp. butter  
1/3 cup sugar      2 slightly beaten eggs  
1/3 cup sifted flour      1 tsp. vanilla  
¼ tsp. salt

Scald coffee and milk in top part of double boiler. Meanwhile, combine the sugar, flour, salt, then blend with additional milk. Add to scalded mixture and cook until thick, then add butter. Stir a little of the mixture into the slightly beaten eggs, then add all to double boiler and cook over low heat about two minutes more. Cool, then add vanilla. For the "Washington Cream Pie" (which is really just thin layers of a good layer cake) split cake layers and fill with cooled Coffee Custard, then cover the tops with sprinkling of powdered sugar and decorate with dabs of jam dropped from a spoon.

## Children Need Food for Growth

Teen-agers play hard, grow fast — and find time to study in between times. Generally they are hungry as wolves. They need plenty of the right foods to give them energy and growing power and vitality.

Parents usually have little trouble persuading their teen-aged children to eat well. It is merely a matter of supplying the right foods including milk, fruits, vegetables and whole grain cereals. And for 'teeners, the servings should be LARGE.

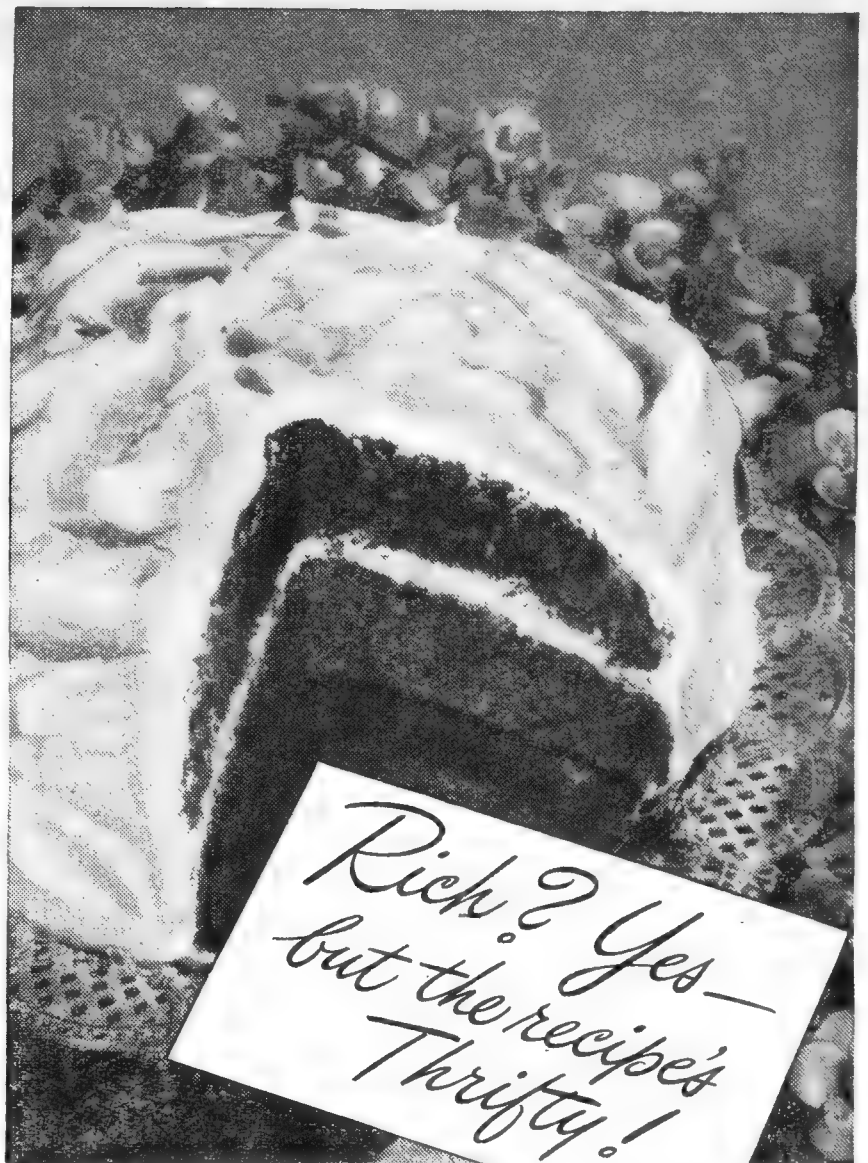
Parents however often pay little attention to the food they serve their

pre-school age children. If the parents eat properly, the youngsters can have the same foods BUT they need it in smaller servings.

In some cases this may mean a child should have five meals a day instead of three, especially if he is under weight. Most children like new foods but they require time to get used to them so it is best to introduce new foods gradually. Pre-school agers still need cod liver oil regularly.

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Instead of sewing loops to your dish towels, put a little white bone ring on to one corner. This will not get flattened like tape, and it is more easily found when hanging up.



## Feather-Light, Delicious Devil's Food Cake Made with MAGIC

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Just remember to use Magic Baking Powder to assure the superfine texture . . . the full delicious flavor that makes your family say, "m-m, that's good!" 3 generations of Canadian homemakers have used Magic to assure perfect results in all baked dishes.

Don't take chances—always bake with Magic. Costs less than 1¢ per average baking.

### MAGIC DEVIL'S FOOD CAKE

½ cup shortening      1¾ cups sifted all purpose flour  
½ cup molasses      1 tsp. vanilla  
2 eggs, well beaten      ½ tsp. Magic Baking Soda  
2 sqs. unsweetened      ½ tsp. salt  
chocolate, melted      1 cup milk  
1½ tps. Magic Baking Powder

Cream shortening then beat in molasses and eggs. Stir in chocolate and vanilla. Sift dry ingredients then add alternately with the milk. Bake in 2 greased and floured 8" layer cake pans in 350°F. oven 20 min. or until done.

**ICING:** Combine 1 egg white and ¾ cup corn syrup in top of double boiler. Cook over rapidly boiling water 7 min. beating continuously with egg beater. Remove from heat; beat until mixture stands in peaks. Frost cake.



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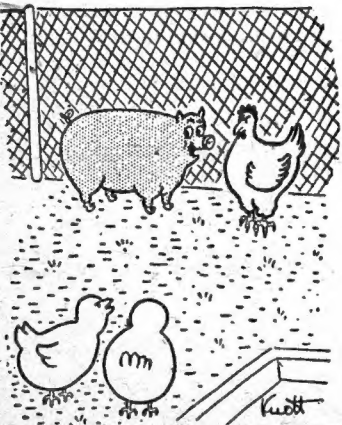


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"I told you that pig would squeal on us."

# Journey For Kate

## SHORT STORY

By MARY L. AKSIM

SHE sewed for the banker's daughters who brought her pictures of dresses in the fashion magazines to copy, and for the less pretentious village wives who found it more economical for Miss Kate to make their dresses than to buy them ready-made. She turned the collars of shirts for the village bachelors and cut down the minister's trousers to meet the requirements of his sons. She listened sympathetically, if somewhat uncomprehendingly, to the women who unburdened their hearts as she measured their ample figures, and was grateful when her young customers brought her tales of their activities. She was a part of the village life, yet she lived withdrawn in her faded cottage, a timid soul made more retiring by poverty.

In the small, cluttered room which her sewing machine dominated, the



It was only that her young man had failed, she said.

walls presented a medley of colorful geography, for Kate had saved every picture post card she had ever received and pinned it to the wall in front of her machine. There were views of Bermuda and Florida and the Grand Canyon; of New York and Quebec and Niagara Falls. When grateful customers promised to bring her some trifle from the places they were to visit in the new clothes Kate had fashioned, she always asked that they send her a picture post-card instead. "Colored, please," she would add wistfully.

So as Kate sewed, her mind was filled with scenes of far-away places. Sometimes she even ventured as far as Paris or Rome for the banker's daughters had made a tour of Europe before the war and Kate had reaped a rich harvest. And when she was working on something particularly drab, she would indulge herself in her favourite dream, that she, too, might take a trip some day and drown the longings of her heart in beauty. She had even laid carefully away a dress length of brown satin against the unexpected possibility.

It was a misty evening in early spring when the young school teacher came up to Kate's walk, her arms full of bundles. Yes, she confided, she was going to be married, and she wanted Kate to make her trousseau. There was to be a long white dress

and going-away clothes suitable for a trip. Kate felt the good materials with appreciative fingers. Then she began writing down measurements.

After the girl had gone the seamstress sat for a few minutes idle. The new order would mean starting work very early in the mornings and continuing until very late, but she could use the extra money for something besides groceries and rent. There were many things she needed and she began to weigh them carefully one by one. Then she got up from her chair and took the brown satin dress length from the cupboard. With this unexpected money her trip-dream could come true!

Although Kate had many other orders, the trousseau occupied her thoughts most of the day. The young school teacher was gay and very happy and the seamstress looked forward to her fittings. She listened as the girl described her fiance who was establishing himself in business in a distant town.

The trousseau was almost finished and Kate was looking at some travel folders one afternoon when she heard a timid knocking. The girl was there, but her face was drained of its joy and her hands were nervous. Kate drew her inside and waited to hear what had happened. She was relieved to find that it was only that the young man had failed in business.

"We've decided to go on with the wedding as we had planned," said the girl, "but of course we've had to cancel the trip!"

She held out a cheque to Kate.

"I'll call for the things tonight," she said.

Kate looked at the cheque for a long time. It was all there, just as the teacher had promised. The largest lump sum Kate had ever received. She laid it down beside the folders and went to finish the last few stitches on the bridal gown.

"You've been so sweet," the girl told her when she came that evening. "But you shouldn't have bothered about a present!" She held up the envelope Kate had given her. "I won't open it until I get home," she said.

When she had gone the seamstress hurried back to the sewing machine to make up for lost time. But she was smiling as she thought of the young teacher opening the envelope. In it was her own cheque endorsed with Kate's signature and a note.

"Please take the trip after all! Your sincere friend, Katherine Webster."

"Here's another card from that young teacher," the postmaster told Kate a few days later. "She must be quite a friend of yours."

Kate took the card and pinned it with the others. And as her machine hummed her mind was filled with a picture and her heart with peace.

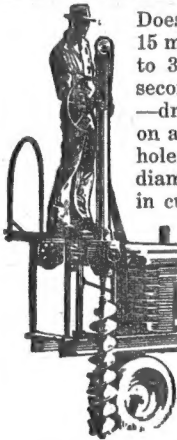
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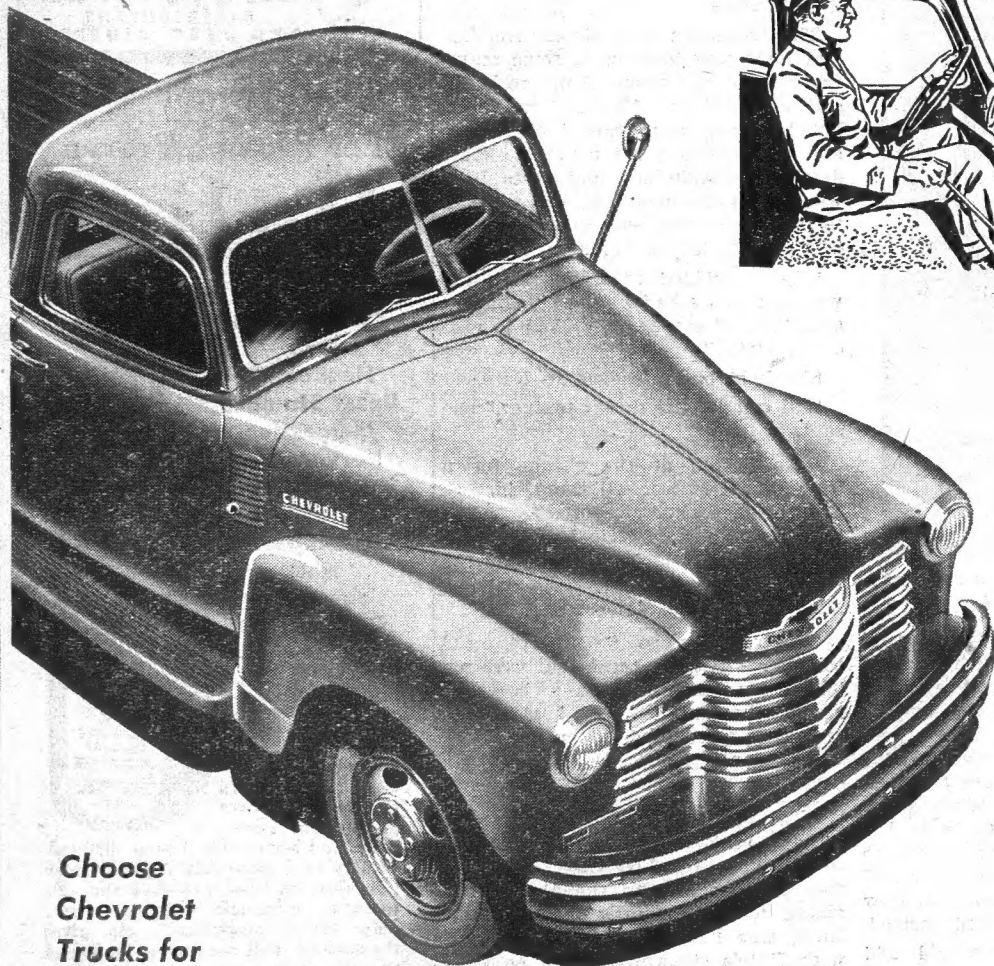
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**RIBTOR SURPLUS SALES**  
605 SECOND STREET EAST, CALGARY, ALBERTA

# E BARGAINS!

**CHROMETERS** — Brand new. Made by well-known manufacturers such as "Miller", "Reed", "Slocam", "Central". Packed waterproof wrapping for overseas shipment. We absolutely guarantee perfect satisfaction on these micrometers.

0" - 1" \$7.50 3" - 4" \$10.75  
1" - 2" \$8.50 5" - 6" \$13.50

**POTS**—Chamber pots. Enamel. Complete with lids. Used but in A-1 condition 59c

**PROPELLORS** — Real airplane propellers. Makes wonderful souvenirs for home or office. Made of high-grade hardwood. 7 1/2" long \$3.50

**PULLEYS** — Double Block Pulley. Made of galvanized cast iron, shell fitting eye and shackle. 2" in diameter. Sheave for use with 1/2" rope or wire cable \$1.00

**PUMPS** — Foot tire pumps. Complete with 30" rubber air hose. \$4.50

**TOW ROPES** — 3/4" Manila rope, 15' long with grab-hook and loop \$2.50

**SOCKET SETS**—3/4" square drive. Made by Plomb & Snap-On. Set contains 9 sockets from 1/4" to 3/4" with 1 knuckle handle, 1 ratchet handle, 1 extension drive and 1 speed handle, 1 tee bar handle and universal adapter \$11.95

1/2" square drive. Set consists of 10 sockets from 7/16" to 1" with 1 knuckle handle and Tommy bar \$11.95

**Hexagon drive**. 19 pieces in set, including ratchet handles, 8 - 1/2" drive sockets and 7 - 1/4" drive sockets \$3.95

## JACKS, HYDRAULIC, ETC.

For Car, Truck or Tractor

**WEAVER HYDRAULIC WING JACK** — Tripod jack (vertical), 5-ton capacity. Has 3 self-adjusting spring casters. Hand operated, plunger cylinder lift extends 19" with 9" screw extension, making a lift of 28" possible. Portable when unloaded \$20.00

**"ATJ" 5-TON HYDRAULIC** — Brand new! All steel, precision engineered for vertical or horizontal use. Closed height 9", hydraulic lift 6", screw extension 3 1/4", maximum height 18 1/2", base 4" x 6 1/2", handle length 19", net weight 16 1/2 lbs. Made by American Tube Co. Regular list price \$24.85 \$13.50

**"ATJ" 3-TON HYDRAULIC** — Brand new! All steel precision engineered for vertical or horizontal use. Closed height 8 1/2", hydraulic lift 5 1/2", screw extension 3 1/4", maximum height 17 1/4", base 3 3/4" x 5 1/2", handle length 17", weight 11 1/2 lbs. Made by American Tube Co. Regular list price \$16.25 \$10.50

**"TRACK" JACKS** — By "Buda" — 15 ton \$45.00

**BUMPER TYPE HYDRAULIC JACKS** — 3/4 ton "Liftmaster", plunger type. Valued everywhere at \$9.75 \$6.50

1 ton "Rausch" — Valued everywhere at \$12.50 \$7.50

**SHOVELS** — Round end shovels. Made for U.S. Army. Short "D" handle. Brand new \$1.19

Post-hole digging spoons. 8" handles \$3.50

**SHARPENING STONES** — Made of aluminum oxide by Norton Abrasives Company. May be used dry, with oil, with kerosene or water. Small size, 4 1/2" x 2" x 1/2" — vitrified, fine .45c  
Large size — 8" x 2" x 3/4" — coarse .75c

**BEARING SCRAPPERS**—Set of 6 scrapers in wooden case. Made by Oxford Tool Company, \$6.50 value \$2.95

**SOLDERING IRONS**—200 watt, 110 volt, heavy duty, complete with cord. Has replaceable tips and element. Regular value \$7.95 \$4.25

**TAP AND DIE SETS** — No. 40 tap and die sets. 1/4" to 1 1/4". "Little Giant". 24 pieces, heavy duty. Packed in handy fitted case. Reg. list price \$117.00 \$99.50

**TARPAULINS** — New. Chemically treated canvas. "Extra heavy."

6' x 14' tarps. \$17.95  
12' x 14' tarps. \$35.95

**SIZING** — COLD WATER — Packed in 25-lb. and 100-lb. containers. Per 25-lb. package, \$2.50; Per 100-lb. pkg. \$9.00

**WISES** — Rock Island 3 1/2" Swivel Base Vise. The ever popular R. I. Ruggedly built anvil-back garage vise that opens 5" Complete with removable pipe jaws at no extra cost, making them the most universal general home workshop vise possible to obtain. Slightly used \$6.75

## CAR AND TRUCK HEATERS

Limited Quantity!

**HOT WATER HEATERS** made by White Motor Co. Brand new. Complete with 3-way switch and standard fittings. Regular list price \$39.50. Our price \$24.50

**IGNITION WRENCH SETS**—6 piece, 69c  
8 piece, 79c; 12 piece \$1.69

**SCREW DRIVERS** — Jewellers screw driver sets, 6 different sizes .75c  
18" screw drivers. Made of tempered steel with wooden handle \$1.25  
10" screw drivers. Made of tempered steel with wooden handle \$1.00  
6" screw drivers. Made of tempered steel with wooden handle .60c